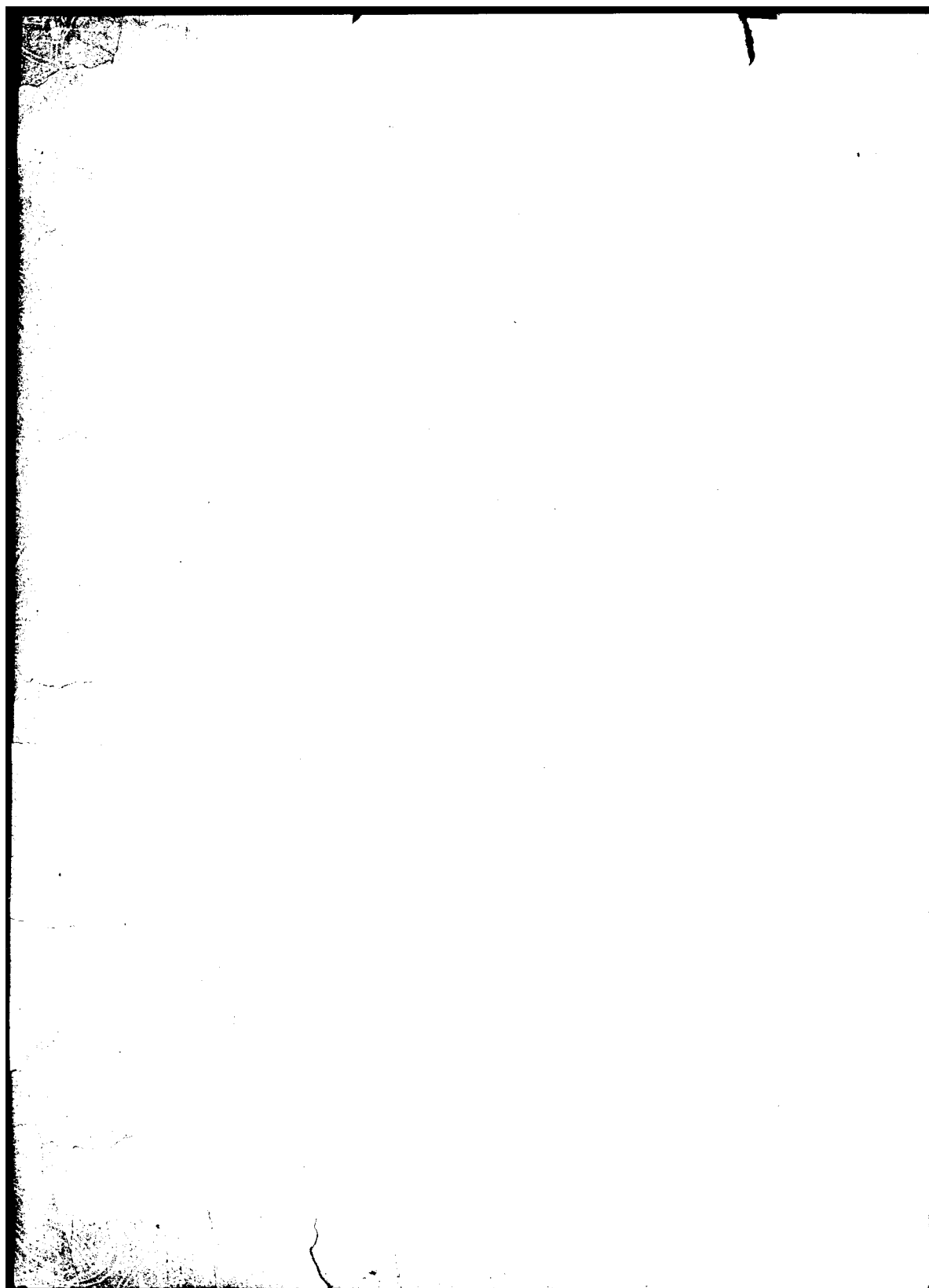
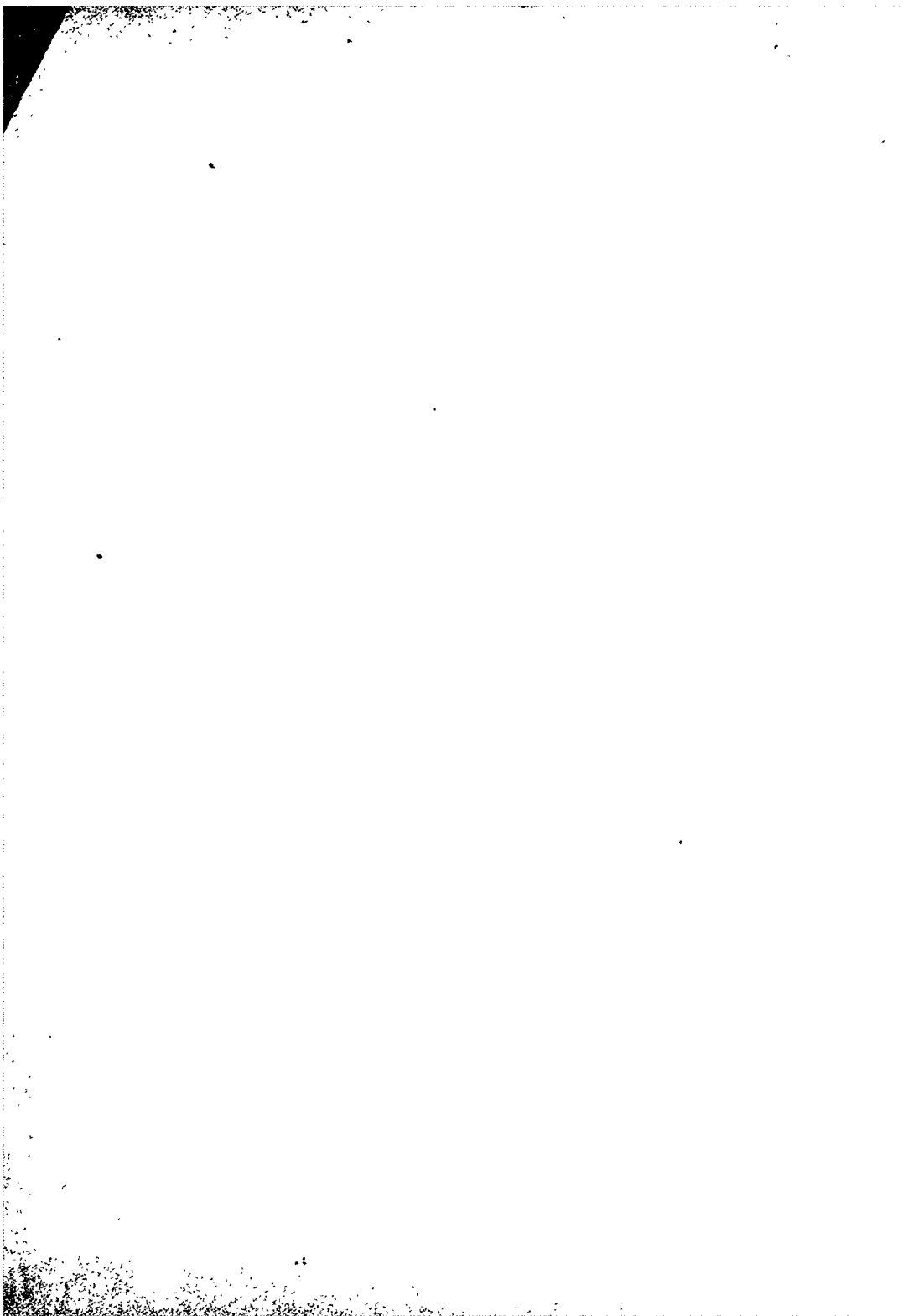


A. S. A.
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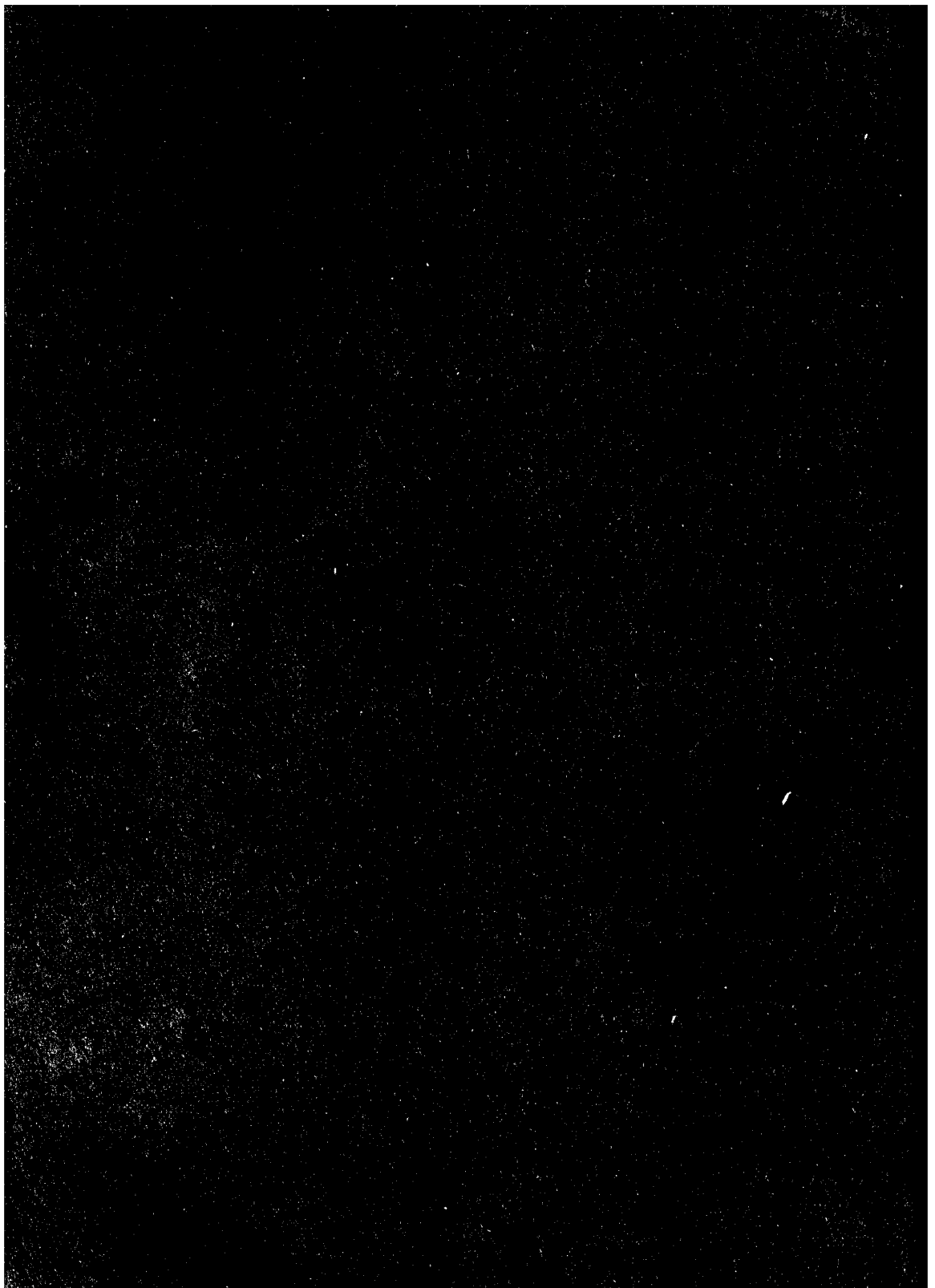
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The Survival of the Fittest

THE DE LAVAL SEPARATOR

is a striking example of the survival of the fittest. Twenty years ago there were on the market many makes of creamery size machines. To-day the De Laval stands alone. Ten years ago dozens of different makes of Farm Dairy Separators competed for favor. To-day the De Laval is practically the only one left. This briefly tells the story of a machine purposely made superior to others.

* * * *

De Laval Creamery, Cheese Factory, Milk Dealers, Ice Cream and Farm Dairy equipment of every character is made on the same high standard as De Laval Separators. Tell us the nature of your dairy work and we will send interesting catalogs. If its anything for the Dairy we have it.

De Laval Dairy Supply Co.

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128 James St. _____

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Factories at Peterborough, Ontario.

When answering advertisements kindly mention the A.S.A. Magazine.



LEADERS WANTED

The more you taste of college life—if you read and study aright—the more you will see the need for leaders and organizers among the farming profession. Thorough organization furnishes the power to make men in authority, governments, and corporations pay attention and take action.

Are you equipping yourself for leadership? Are you studying farmers' organizations? Are you following the steps that are being taken to assist farmers of Western Canada to sell their products and buy their needs to better advantage?

The G.G.G. Co., Ltd., blazed the trail in organization by farmers for business operations. Call at our offices and learn how the organized grain growers of the prairies have advanced along co-operative lines, in selling and buying, since 1906.

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NEW WESTMINSTER
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The A. S. A. Magazine

March 1916.

PUBLISHED BY THE ALBERTA SCHOOLS OF AGRICULTURE
VERMILION :: OLDS :: CLARESHOLM

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— Vermilion - Claresholm - Olds —



Arthur Edward Shuttleworth, B.S.A., Ph.D.

Member of the Board of Agricultural Education for Alberta.

Died January 6th, 1916, aged 53.

The late Dr. Shuttleworth was born at Mt. Albert, Ontario. He graduated from the O.A.C., Guelph, and after receiving his B.S.A. from McGill University, taught for a year in the Prince of Wales College, Charlottetown, P.E.I. After spending a short time at Harvard, Dr. Shuttleworth became Professor of Chemistry at the O.A.C., which position he held for ten years. During this period he was granted leave of absence, and studied for two years at Halle and Goettingen, in Germany, and took his Ph.D. degree. Owing to ill-health, Dr. Shuttleworth gave up college work, and, after farming some years in Ontario, came West, finally settling at Blackie, where he raised Clydesdale horses and Shorthorn cattle.

A WORD TO THE STUDENTS

[From the Minister of Agriculture]

THE third term of the Schools of Agriculture is now drawing to a close, and it is very gratifying to know that we have not only had an increased number of students this year, but that the results achieved at the several schools have been also highly satisfactory. Each year has been an improvement over the preceding one. I am particularly pleased this year to see a larger attendance of girls, and I hope that the students who go out from the schools, at the end of March, will do everything they can during the summer months to assist us in increasing the number of students next year in our household science classes. It is quite as important that the farmer's daughter should have the same attention paid to her education and training as that given to the farmer's son, and now that young women and men have equal responsibilities in the citizenship of the province of Alberta, we want to be quite sure that not only equal opportunities and advantages, in all lines of education and training, are offered them, but that

every effort is used to get both them and their parents interested in seeing that no opportunity is lost by farmers' girls in this respect.

During the past year enlistment in the province has thinned the ranks of workers on the land to a

somewhat alarming extent, and while I would not like to say anything that might be the means of preventing any young man from enlisting, who considers that to be his patriotic duty, yet I would like to impress upon the boys who are in attendance at the Schools of Agriculture, that they have responsibilities in connection with the agricultural production of Alberta during the present year, that are of the highest importance not only to the province but to the British Empire. As far as possible, I should like to see the knowledge and skill ac-

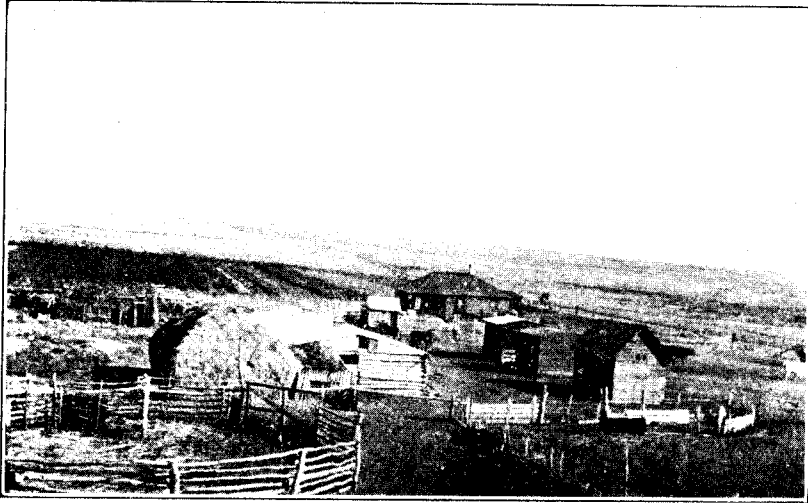
quired by the students of the Schools of Agriculture, used this year in the production of large and excellent crops in this province; keeping in mind the fact that agricultural production has still a very important bearing upon the war, and that any



HON. DUNCAN MARSHALL,

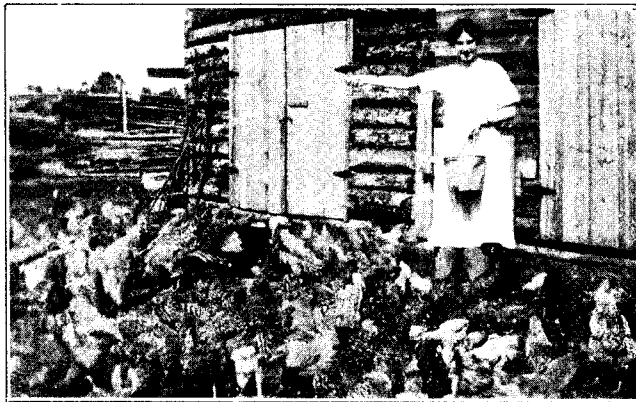
MINISTER OF AGRICULTURE

: ALBERTA PRAIRIE FARM SCENES :



"MY LITTLE GRAY HOME IN THE WEST."

First Prize in Snapshot Competition. Entered by F. L. Gracey, Vermilion.



"OH! YOU LOVELY CHICKEN!"

Second Prize in Snapshot Competition.

Entered by Miss A. Archibald, Olds.

appreciable failure to produce a large crop of grain and live stock during the coming season, would greatly embarrass every government that is engaged upon our side of the struggle.

Canada is at war, and the seriousness of the situation must be taken into account by every loyal citizen of the country, and every man must keep this circumstance in mind when planning his work for this year. Do not let the abundant crop of last year be the means of influencing you to slacken your efforts for 1916. We may not often reproduce the phenomenal results of 1915, and agriculture must put forth its supreme effort, until this war is won by soldiers who, upon their return, will be able to say that in the hours of greatest stress they lacked neither food nor clothing, nor any other comfort that the hands of toil can produce for the men who are valiantly struggling for the preservation of our civilization.

The students in our Schools of Agriculture can play an important part in such work. The men can serve in the fields, the women can assist in Red Cross work, and both can give substantial support to the Patriotic Fund.

In conclusion, let me express my satisfaction at the splendid work done by both teachers and students in the Schools during the term now about to close, and let me express the hope and expectation that next winter will see a still larger attendance, and, if possible, more enthusiasm for farming in Alberta.

Sincerely Yours

DUNCAN MARSHALL.

Magazine Competitions

IN connection with this issue of the Magazine, three competitions have been held which have produced excellent results.

The first was a competition for a cover design for the current issue, and was open to students and ex-students of the Schools of Agriculture, a prize of \$5.00 being offered for the accepted design. Quite a number of designs of more or less merit were submitted, that of S. Barnes, of Vermilion, being the one chosen by Hon. Duncan Marshall, who very kindly acted as judge. This is the design which appears on our cover, and, as will be seen, the main feature is a successful and carefully executed reproduction of the main doorway of the Schools of Agriculture.

Another competition was for snap-shots of farm scenes, and was also open to students and ex-students. A considerable number of entries were received, the prizes of \$2.00 and \$1.00 being won by F. L. Gracey, of Vermilion, and Miss A. Archibald, of Olds, respectively. The winning snap-shots appear on the opposite page.

The third competition was open to ex-students only. Short essays were asked for on the subject, "How I am putting my Agricultural School Training into Practice." Only two entries were received, these being from W. Hempel and H. Spencer. The essays were both printed, and will be found in the pages of the general section.

: GENERAL NOTES OF THE A.S.A. :

THE third year of operation finds the Alberta Schools of Agriculture firmly established as successful institutions, meeting a need which certainly existed before their inception. This fact is being recognized among the people of the province. This is shown by the fact that the enrollment at the three schools increased from 285 for 1914-15 to 336 for 1915-16. The attitude of the average farmer is also changing, the scepticism and even amused contempt with which such institutions were formerly regarded, giving place to interest at least, and in many cases hearty approval, as the "finished products" of the schools return home, invariably enthusiastic over the course which they have taken. In a recent letter from the trenches, one of the former students, who enlisted before completing his course, says: "Nothing will please me better than to come back to the school again. Tell the students they are at the best schools they can go to." Outside the province also the progress of the schools is being watched with interest, both in Canada and the States, and already there are rumors of the contemplated establishment of institutions along the same lines in other parts of the continent.

At each of the schools a new building has been erected during the last year. This consists of a stock-judging pavilion, with an agronomy laboratory overhead, and it has greatly increased the facilities for handling the large number of students in attendance.

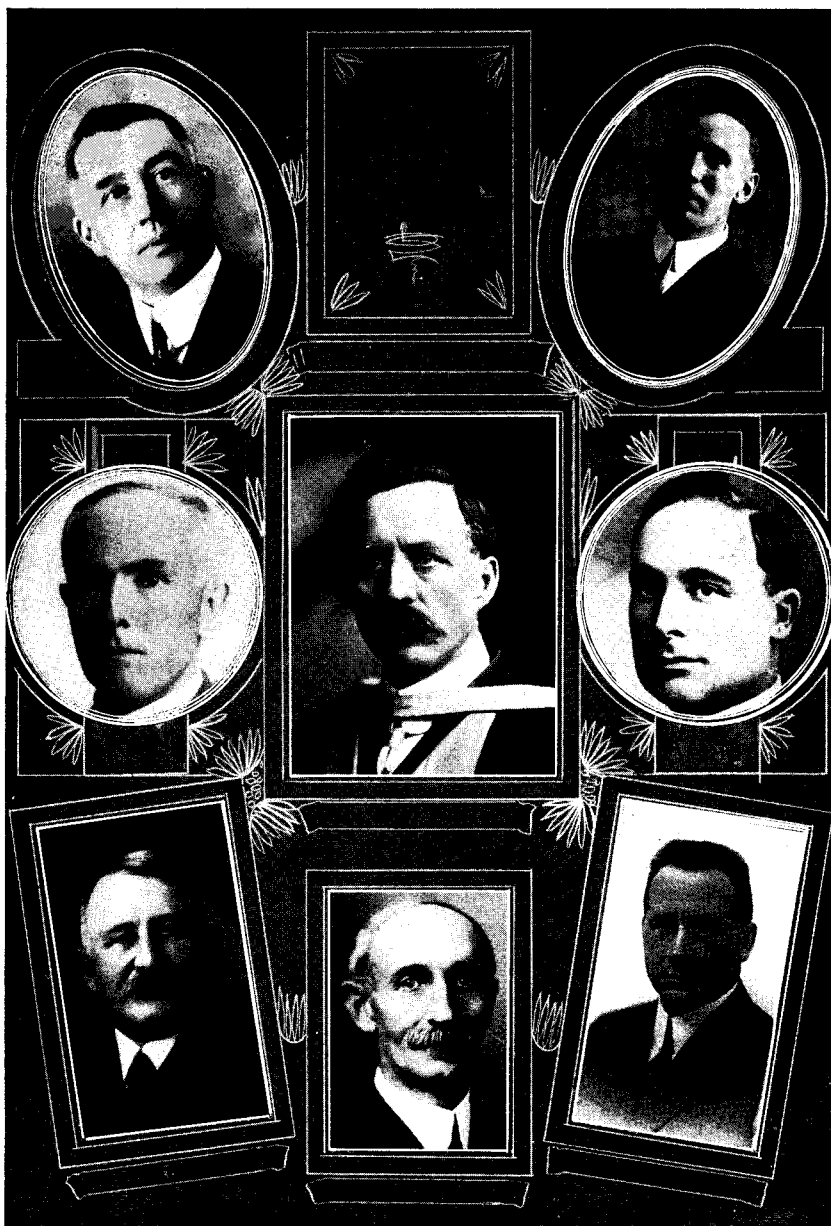
A striking feature of the large enrollment this year, and one which

the Minister of Agriculture deals with in his fore-word, is the very large proportionate increase in the number of girls taking the Domestic Science course, the figures being 70 for 1914-15, and 109 for 1915-16. Many improvements in this department have been effected, amongst other things complete and up-to-date laundry equipments having been provided.

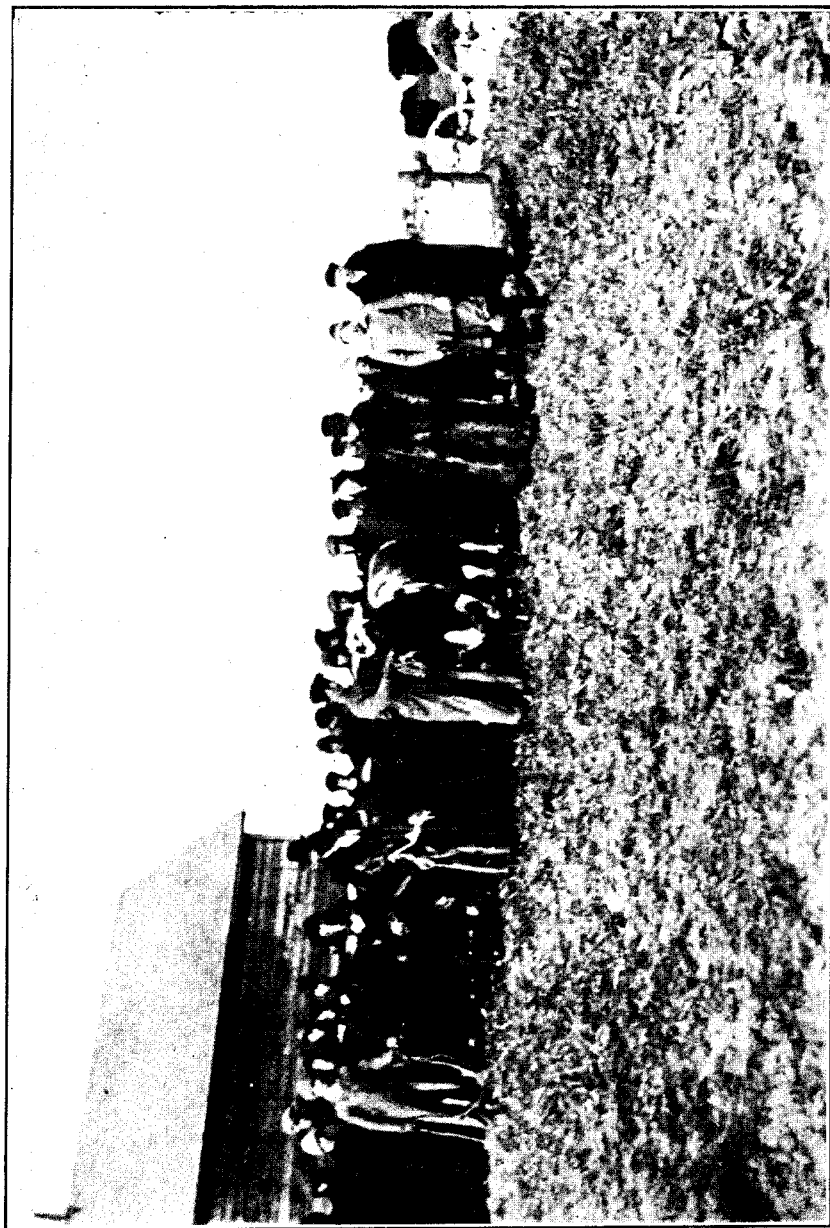
There is one very important factor in the success of the schools which must not be overlooked, and that is the efficiency and kindly helpfulness of the three Staffs. It is fully appreciated by the students, who realize that but for this, the time spent at the A.S.A. would have produced very little result, and they are correspondingly grateful.

Thirteen graduates of the A.S.A. are continuing their work at the Alberta University, and, according to all reports, they are more than holding their own with the men of the other faculties. A majority of these men intend to return to the farm after taking their B.S.A. degree.

Those of our men who have enlisted on the side of the allies, must not be forgotten, and certainly will not be. As will be noticed, each School has a Roll of Honor, thirty men having up to the present gone from the Schools of Agriculture to fight for the cause. Several of these are in the trenches, and one is gone, who has that glorious epitaph, "Killed in Action." We are proud of them all, and those who are left have our best wishes for success and a safe return.



SPECIAL LECTURERS TO THE SCHOOLS OF AGRICULTURE.



JUDGING SHORTHORNS AT HON. DUNCAN MARSHALL'S FARM, OLDS.



NELLIE L. McCLUNG

"JANE BROWN"

On March 17th, 1915, there passed away Jane, beloved wife of John Brown, aged thirty-one years. She leaves a husband and several small children to mourn her loss.

"THY WILL BE DONE!"

"I don't know what I'll do," he said—
And a big tear splashed on his sun-
burnt hand—

"Here's Spring upon us, my wife is
dead!

And look at the summer's work I've
planned!

I've bought more land, there are men
to feed,

And hired girls are a careless breed;
They smash your dishes and waste
your stuff,

And never think they are getting
enough.

And they always boil the tea!
It wasn't like my Jane to quit,
She's always been so full of grit—
At least without sayin' a word to me."

"Then she wasn't ailing?" the minister said—
He had come when he heard Mrs. Brown was dead,
To try and comfort the ones bereft.

"Oh! she grumbled some, as women will.

But she never cost me a doctor's bill:

Ain't this an awful way to be left?

She was a dandy, was my Jane,

Strong as a horse and never complain.

I'll never get her like again.

Often when I had gone to bed

She'd stay up and thump out loaves of bread;

And when I got up, her work of the night

Was there, a bunch of them, brown and light,

I tell you it was a splendid sight!"

"I suppose you often told her so?"

The minister said. "Well, I don't know,

I never was one to make a show;

But tho' I never said so straight,

I guess she knew I liked her gait."

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"I suppose she had help?" the minister said,
As he looked at the work-worn hands of the dead.
"The house is large and the children small,
One pair of hands could not do it all."
"We tried a girl for two or three days,
But I couldn't stand her dirty ways.
Jane was patient, and thought she would learn,
But she broke far more than she could earn.
Of course we always had Miss Frame
Out here for a week when the children came,
And I tell you I hated to pay for a week.
A dollar a day to that old freak.
The house was in one continual row,
Oh! I know well what I'm in for now."

"I suppose you always told your wife
That she was the joy and pride of your life,
That home wasn't home without her face,
And how much you missed her from her place?"
"Well, maybe I didn't say so straight,
But I said things was in an awful state,
And I was tired of cold boiled tea,
And Miss Frame couldn't quit too soon for me.
I told her my mother was never in bed
Two days in her life, till she lay there dead—
I've often and often heard that told—
She died when I was two days old."

"A splendid helpmate to you was given;
You have children, too?" "Yes, six or seven,
The youngest of them has not been strong,
We never knew just what was wrong;
See, here are the kids;" and in two short rows
Six children sat in their Sunday clothes.
Kind-faced women were busy there,
Bestowing upon them unwonted care.
But the sad old wonder was in their eyes
Which only comes when a mother dies.
The littlest one, with the withered hand,
Nobody thought he could understand,
But he gathered up the air of gloom,
And his voice rang out in that quiet room;
If ever a baby spoke despair,
That little one cried, "It is not fair!"
"Come out awhile," the father said,
"That kid's sharp voice goes through my head."

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Outside was a day of sparkling sun,
Which warns old Winter his days are done--
The cattle fed at the oat straw stacks,
Enjoying the sunshine on their backs;
And fat pigs did long tunnelling stunts,
Filling the air with contented grunts;
A young colt frolicked beside the mare,
That lazily yawned in the soft spring air,
As she nosed it about with motherly care;
While hens and roosters cackled and crew,
And openly gossiped of prospects too.

"You have lots of machines," the preacher said,
Looking around at the rakes and drills
Which had overflowed from the big red shed;
"You've paid some big machinery bills!"
Machines were there, blue, green and red--
A threshing machine with a canvas head!
While broken ones were withered and grey,
As if they had lain there many a day.
"We have to have them," said Mr. Brown,
"No matter what we have to pay;
The seasons are short, and it's up to us
To make the most of every day.
These things cannot be borrowed or lent,
So it's foolish to scrimp for the sake of a cent.
But of course a man must use his sense--
People try to do you every day.
It isn't more than a month ago,
A fellow came all around this way,
And he was surely a smooth-tongued gink,
And was bound he would sell me a kitchen sink!
Jane would have taken it on the jump,
For she's always wanted a kitchen pump,
But I showed her 'twould give us no return,
And told her I hadn't no money to burn."

--The neighbors came and they laid her away,
And they blamed the Lord, in the same old way;
And they wondered how, if God is good,
He could take her away from her little brood.
But looking down on that tired face,
The minister knew what had taken place;
The Great Physician, from the skies
Had looked on her with His kindly eyes,
And prescribed the cure He thought the best:
"For Mrs. Brown a Change and Rest."

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Then He did as the country doctors do,
Not only wrote, but filled it too.
So the minister blushed as he read the word,
"Inasmuch as it hath pleased the Lord;"
And all the way home the grey bird's song
Piped out, "It's wrong! It's wrong! It's wrong!"

Mrs. Brown passed out on St. Patrick's Day;
Mr. Brown dried his eyes by the end of May.
He painted his buckboard and looked abroad,
And decided he'd try Bud Thompson's Maud;
For Maud was willing and big and strong,
And he tho't she'd be able to get along.
So he went to Maud and he laid his case,
And told her he thought she'd a lovely face;
He had always liked her quick, bright ways,
He believed he'd marry her some of these days—
Did she think she'd like to be his wife?
But Maud replied: "Not on your life!
Of endless work I'm afraid I'd tire,
For an early grave I've no desire.
You've had great success in working land,
Now at house work why not try your hand?
When you've worked at that a month or two
You'll learn the truth your poor wife knew.
Your work has been done by gas and steam,
By man, and tool, and four horse team;
Your yard looks like a machinery shower,
But your house all ran on woman power,
And one day of course the power gave out,
And that is how it comes about
That you must fill that woman's place—
And you think I have a lovely face!
And you'd like it well if I would come
And pitch right in and make things hum!
But I am wise—and so decline;
You're very kind, but—not for mine!"

John Brown drove slowly down the lane,
And wished he hadn't lost poor Jane.

NELLIE L. McCLUNG.

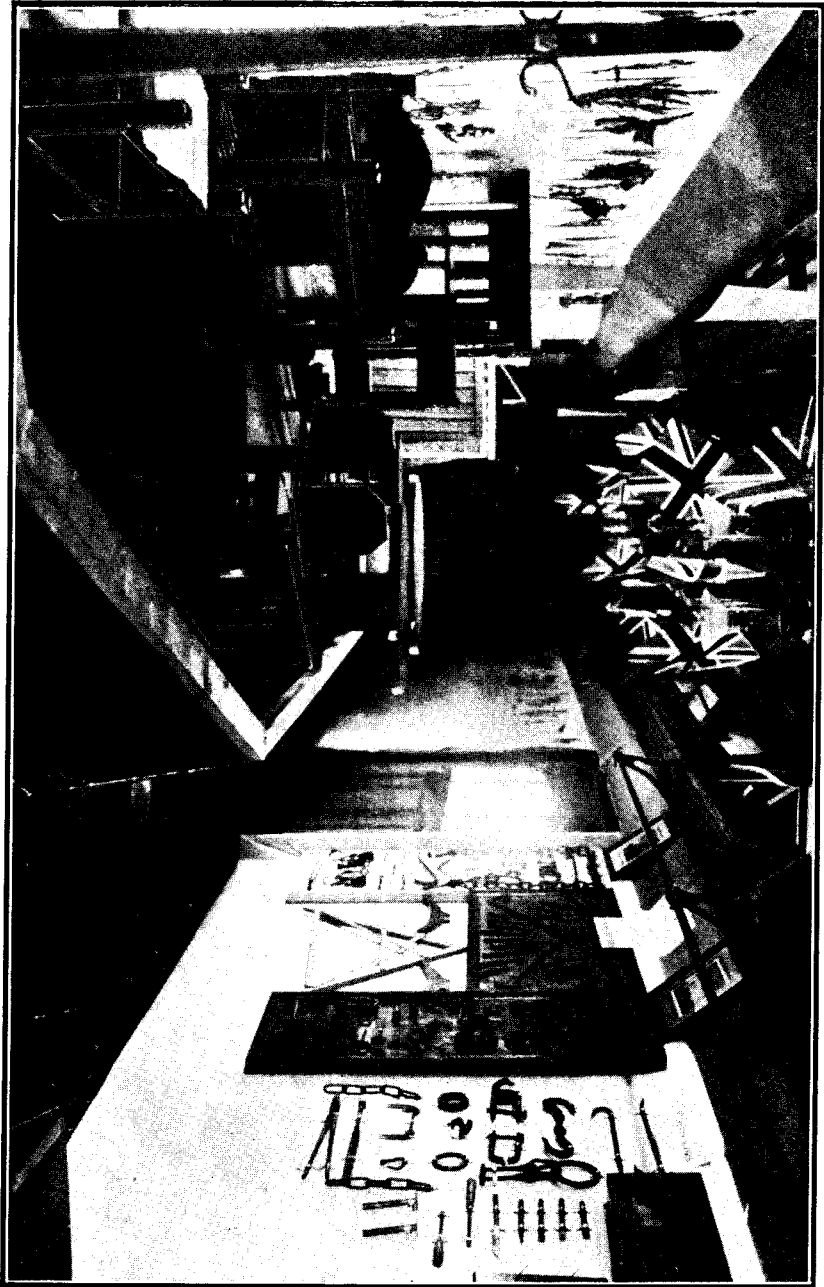
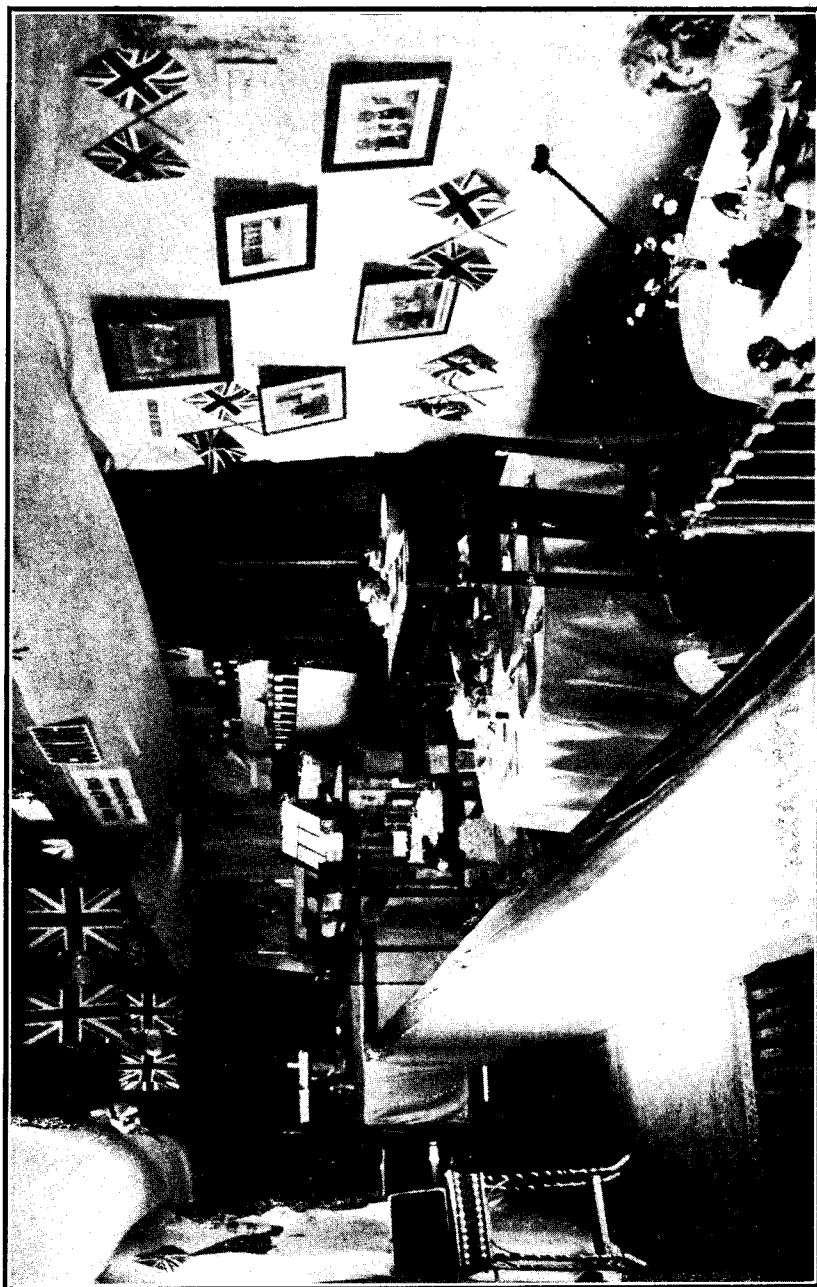


EXHIBIT OF A.S.A. BOYS' WORK, BETTER FARMING TRAIN



A.S.A. DOMESTIC SCIENCE EXHIBIT, BETTER FARMING TRAIN.

The New Patriotism

By J. S. Woodsworth, Secretary Canadian Welfare League

"I'M GLAD that I do not live in Canada. Your politics are corrupt: economically you are in a bad way: the church has lost its soul: there is no leadership." Such was the summing up of his conclusions on conditions in Canada, as given to me recently in private conversation by a member of the British House of Commons.

Some may feel inclined to resent such a criticism. We have been so long accustomed, in Canada, to be patted on the back and told what a wonderful country we have, that a statement of this kind comes like a cold douche after a warm bath. But a cold douche, after all, is wonderfully stimulating, and may prevent us

taking a bad cold. So instead of petulantly resenting adverse criticism, let us "grin and bear it"—and profit by it!

Undoubtedly the statement is altogether too sweeping. The gentleman who made it was not attempting to give a carefully balanced

judgment. He was simply, as it were, "touching the high spots." But such an impressionist sketch is well worth our consideration. It came from a man who is a keen student of men and affairs, and has had a good opportunity of gaining a knowledge of conditions in Canada. Not a few Canadians are forced to admit that it contains alto-

gether too much truth. But it by no means contains the whole truth. No son of Canada who has imbibed anything of her history and traditions and spirit, who has endeavored to respond to the ideals she has held up, who has felt in his own throbbing brows the laboured beating of her heart, — no true, native-born

Canadian can believe that this over-seas visitor has gained an insight into the real life of Canada.

Nevertheless he may have seen defects which we had not fully realized. He may have observed tendencies of which we were almost unconscious. His criticism merits



J. S. WOODSWORTH.
SECRETARY.
CANADIAN WELFARE LEAGUE

In this article Mr. J. S. Woodsworth critically examines some severe charges which have been brought against our standards of living in Canada, and points the way to the higher standard of citizenship, which all good Canadians trust may be evolved in the difficult times through which we are passing. Mr. Woodsworth is perhaps the best authority on rural social problems in Canada to-day, and his services as writer and lecturer are in great demand. Mr. Woodsworth has just delivered a course of lectures on Rural Sociology at McGill University, and his article should be read with keen interest by all our students.—Editor.

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careful study. He expressed satisfaction that he did not live in Canada. We live in Canada; our forefathers opened up the country; it will be the home of our children. It is of the utmost importance to us that Canada should be all that we have imagined it was, or dreamed it might be.

If conditions are at present unsatisfactory, is it not a challenge to heroic action on the part of patriotic young Canadians? One of the greatest evils of the war—so far as Canada is concerned—is that it has diverted our attention from our domestic problems to so-called “Imperial problems.” Perhaps, however, when our eyes are turned again to Canadian affairs they will be more widely open, and we shall bring to bear a spirit of critical enquiry that may lead to rapid and sweeping changes.

In the meantime, those of us who are not wrestling with “Imperial problems” should be studying their ever-present home problems. The enemies of Canada most to be feared are not the nations of Europe or Asia, but the forces of evil within our own gates. Many young men urged by patriotic impulses have offered their lives on the battle fields of Northern France. Are there not to be found others, equally patriotic, who will be willing to offer their lives in the upbuilding of a worthy Canadian national life?

“Your politics are corrupt.” Who can deny it? Read, however critically, some of the unofficial histories of Canada that have recently appeared. Read the wholesale graft charges that have recently been proven in Manitoba, and remain to be proven in at least one other province. Read the sordid,

sickening transactions in connection with the supplying of army equipment. Listen to any group of men at the club who know “the inside” of our public life. Listen to “the man on the street.” Surely not only our politics are corrupt, but our political standards and ideals are low.

Some months ago, while visiting one of our agricultural colleges, this was brought home to me very forcibly. The students had arranged an inter-class debate on a subject that was engaging public attention, and directly affecting the farmers of the province. A member of the debating team wrote to a government department for information. No information came. Instead came an order, through the principal of the college, FORBIDDING THE DEBATE. Talk about Kaiserism! Talk about Russian Bureaucracy! Could anything be more subversive of liberty than this autocratic action of a Canadian provincial department?

But this was not the worst feature in the incident. The students lay right down and took it. I could not understand. I thought I knew students, and those whom I knew were not always so tamely submissive to arbitrary authority. At last came the reason: —“Oh, yes, the boys were very indignant, but, you see, our strongest men are all looking for government jobs in connection with the department, and they knew that if they protested they would be black-balled.” There was the reason in all its naked ugliness! Although it was given in a matter-of-course way,—yes, BECAUSE it was given in a matter-of-course way, it came to me as a shock. I was prepared for that kind of thing from some of our pro-

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fessional politicians. But from our cleanest, straightest, sturdiest young Canadian boys! Among that group surely one might have been found who, for the sake of liberty, of his country, of his own manhood, would have been willing to risk a prospective job! "Your politics are corrupt." Not because of the scandals at Winnipeg or Ottawa, but because of the attitude of those farm boys my head is bowed in shame, and no denial comes to my lips.

Yet, in my inmost heart I passionately protest, "That is not Canada!" I pass on the story to you, because I know you will re-echo my protest, "That is not really Canada." Forth from our colleges there will come young men and women who will fling back prospective jobs and speak out for themselves and for Canada,—and young men and women, we will follow you!

"Economically, you are in a bad way." For some of our younger people another startling charge! Have we not been told of our wonderful natural resources and splendid opportunities in Canada? Unfortunately, our natural resources, inexhaustible as they may seem, have not been carefully conserved, and, what is more serious, have largely passed into the control of a comparatively small group of men, some of whom are not even resident in Canada. Fortunes have been made out of the rise in land values, but for most of us this simply means a greatly increased cost of living. Our critic gave two illustrations. He himself lives within ten minutes of the British House of Commons, situated, as we all know, in the heart of the Metropolis, with its population equal to the whole popu-

lation of Canada. He pays for a comfortable little home a rental of 15 shillings a week, roughly \$15.00 a month. In one of our little cities, such a house would cost two or three times as much.

Here is another illustration that suggests the reason for our high cost of living. A certain mine owner in England, with a capital of £1,060,000, or a little over \$5,000,000, employs 30,000 men, and turns out a minimum of 30,000 tons of coal a day. A syndicate in British Columbia bought certain mine properties for \$11,000,000, formed a company capitalized at \$25,000,000, and employs some 2,500 men, who turn out about 3,000 tons of coal a day. That is, I take it, that 3,000 tons must in Canada earn dividends on \$25,000,000, while in England 30,000 tons, or ten times that amount, is expected to earn dividends on only \$5,000,000, or about one-fifth the capital. Is it any wonder that while our coal operatives are poorly paid, we still pay high prices for coal?

Our great improvements, of which we are so proud,—our railroads and canals, our cities with their up-to-date utilities and brilliantly-lighted streets, all have been paid for by borrowed money. And ultimately the producer, — the despised laboring-man and the neglected farmer,—must pay the bills. Before the war it was estimated that our interest charges alone on foreign capital invested in Canada amounted to \$150,000,000 a year. The whole of a bumper wheat crop must be sent over-seas every year just to pay the interest on our public debts!

That was before the war. Think of the war debts that are daily piling up! There is a real danger that

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the rank and file of Canadians may become simply hewers of wood and drawers of water.

We, in Canada, have in the past enjoyed a considerable measure of freedom. We have not won it. We have simply inherited it. But if we are to keep our freedom we must fight for it! If we are not willing to fight for it, we do not deserve to have it! And this fight is to be fought not with rifle and bayonet, but with keen brains and strong moral purpose. Young men and women of the prairies, it is on these Western plains that the destiny of Canada is to be decided. Prepare! Yours is the conflict, and "yours, the shining future."

"The church has lost its soul." Too serious an indictment to discuss in a paragraph. But is our conventional churchy religion at all adequate to the tremendous tasks that face us to-day in Canada? Is there an impelling message? Are we lifted out of ourselves and sent out with a burning desire to spread abroad the new found truth? Are we co-operating with and relying upon the great Unseen Forces? Surely we await the New Prophet who can strike the key note of this new age,—a keynote to which many eager hearts will respond.

"There is no leadership." No! We have few recognized leaders. But leaders will arise,—must arise! Perhaps, in these modern days, with our facilities for rapid diffusion of ideas, and our democratic institutions, we may not develop a few outstanding leaders, but rather advance may come here and there all along the line. In the repairing of the broken walls of Jerusalem each patriotic builder "did his bit" "over against the walls of his own house."

To purify and ennoble the life of Canada seems an almost overwhelming task. But let us think of Canada as a series of communities and the task is by no means an impossible one. You, the reader of this magazine,—an agricultural student,—may become a real leader in your community. You may stand for clean citizenship, for economic reform, for a more vital religious experience, and gradually, but inevitably, your community will be transformed. Let each reader pledge himself to that, and, say, four hundred communities have felt the thrill of a new life. That is the New Patriotism,—a Patriotism that demands the best of every Alberta boy and girl,—a Patriotism that seeks not to get the most out of the community but to put the most into the community. Before such a Patriotism economic difficulties will vanish, and Canada herself will have found her soul.

THE LOST MASTER

"And when I come to die," he said,
"Ye shall not lay me out in state,
Nor leave your laurels at my head,
Nor cause your men of speech orate;
No monument your gift shall be,
No column in the Hall of Fame;
But just this line ye grave for me:
 'He played the game.'"

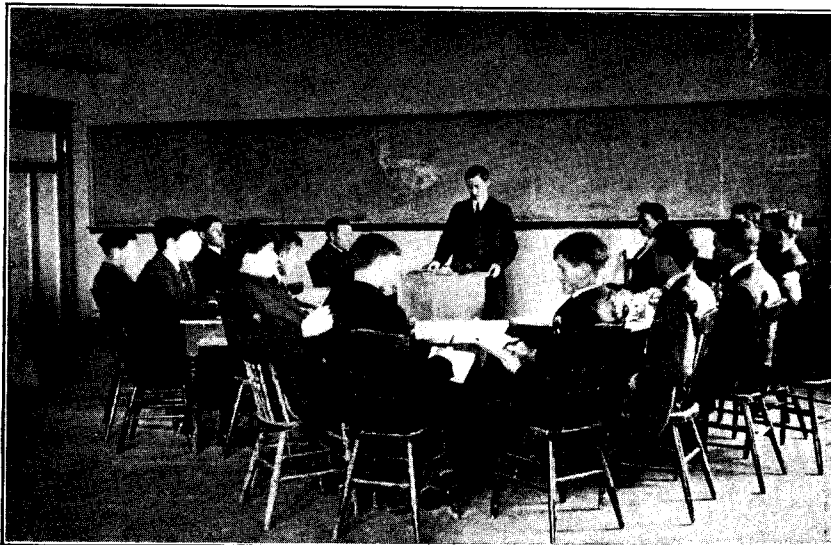
* * *

And so we, too, in humbler ways
Went forth to fight the fight anew,
And heeding neither blame nor praise,
We held the course he set us true.
And we, too, find the fighting sweet;
And we, too, fight for fighting's sake;
And though we go down in defeat,
And though our stormy hearts may
We will not do our Master shame: (break
We'll play the game, please God,
We'll play the game.

—FROM "RHYMES OF A ROLLING STONE"



JUDGING DAIRY COWS, VERMILION



CLASS IN POULTRY ANATOMY, VERMILION



LEARNING SOMETHING OF THE CHEMISTRY OF FOODS. OLDS



MAGAZINE STAFF, OLDS

THE PRACTICAL SERVICES OF THE DEPARTMENT OF AGRICULTURE

By H. A. CRAIG, B.S.A., Deputy-Minister of Agriculture

IT is highly necessary and desirable that the people of a country should view the organization of government as the institution of services for the promotion of their welfare. The time will probably never come when the regulative functions of government will not be in evidence. We cannot get entirely away from the work of prescribing duties and securing rights. The best conception of government organization, however, is that in which its functions are regarded as directly constructive, and helpful in relation to characteristic activities and interests. Certain departments of government display this quality to a greater degree than others. The Department of Agriculture, for example, should and does regard as its chief duty the raising of the industrial and business efficiency of those on the farms, by a minimum of restrictive and a corresponding maximum of constructive legislation and activity.

Not less important than the con-

ceiving of its duties rightly by the Department of Agriculture, is the encouragement of easy means of communication and intercourse between the administrative departments and the farmers.

The establishment of good services is of little use unless the public gets into the habit of making use of them. A short account of a few of the services of the Department of Agriculture that are of most direct benefit to farmers should be of use to readers of the A.S.A. Magazine.

DEMONSTRATION FARM BRANCH.

The Provincial Demonstration Farms are seven in number, and are situated at Medicine Hat, Claresholm, Olds, Sedgewick, Vermilion, Stony Plain and Athabasca. It will thus be seen that they are widely distributed in order to serve different parts of the province. The important uses of these farms are:

(1) To illustrate the best practice in soil treatment, cropping, and



H. A. CRAIG, B.S.A.,
DEPUTY-MINISTER OF AGRICULTURE

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the care of live stock, for the instruction of the people of the district in which the farmers are situated, and generally of districts having similar soil properties and climatic features. The practice of the farms is intended for concrete illustration and inspection, but with the growth of the farm interests the results of work will be embodied in reports.

(2) To furnish suitable accommodation and occasion for farm meetings and conventions.

(3) To furnish object teaching and chances for observation to the pupils of the Schools of Agriculture, who are practically all from farms.

(4) To provide types and breeds of live stock for the animal husbandry teaching of the Schools.

(5) To furnish pure-bred stock, pure seed, and farm building plans, to those in need of them.

(6) To conduct dairy and feeding tests for the improvement of the stock interests of the neighborhood.

Mr. S. G. Carlyle is Superintendent of the Demonstration Farms.

AGRICULTURAL SCHOOLS BRANCH.

The uses of the Agricultural Schools will, no doubt, be brought out in other articles in the columns of the Magazine.

PROVINCIAL VETERINARIAN'S BRANCH.

This branch is directed by Dr. P. R. Talbot. The work is of great practical benefit to farmers and ranchers. Many places that have important stock interests and properties are remote from veterinary aid. The Department aims to partially meet the need of such conditions. In other cases, local veterinarians get the aid of the provincial officer in the diagnosis

of difficult and obscure diseases. The live stock interests of the Demonstration Farms claim some of the time of the branch. The farmers' sons at the Schools receive practical teaching in the care and diseases of live stock. Dr. Talbot likewise lectures at short course schools and institute meetings.

THE LIVE STOCK BRANCH.

Through the live stock branch the Department aims to improve the marketing services of the province. Mr. W. F. Stevens, who is head of the work, is a go-between for the shippers and transportation companies. Like the other officials of the Department, he takes part in lecture work at the short course schools and institutes. The Live Stock Commissioner is responsible for the enforcement of the Stock Inspection Act, the Fence Ordinance, the Stray Animals Act, the Herd District Ordinance, and the Entire Animals, Dangerous and Mischievous Animals, and Pound Ordinances. The regulative functions of this branch are very closely connected with the practical problems and needs of the farm communities.

THE DAIRY BRANCH

operates a marketing service for butter and eggs. The butter is graded on samples from the creameries of the province. Grading stations are established at Calgary and Edmonton. Advances up to 90% of the value of the butter are made to consignors when the butter is received, and cold storage equipment is provided in order to regulate the output to secure the most profitable marketing. The Commissioner and his staff inspect the creameries and cheese factories of

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the province, give instruction to butter and cheese makers, assist in the organization of dairy enterprise, and help in the educational work of the department. Mr. C. A. Marker is head of the Dairy Branch.

FAIRS AND INSTITUTES.

Mr. Alex. Galbraith is director of this branch of work. He has charge of the administration of the Agricultural Societies Act. Under his direction the Department furnishes expert judges for all the fairs of the province, pays the grants, gives advice to fair and exhibition boards, and checks the financial statement of the fairs. Under fairs are included not only summer fairs and exhibitions, but the spring stallion shows, fat stock shows, ploughing matches, and good farms competitions. This branch has charge of the short course school work, institute work, demonstration train work, and farmers' excursions.

WOMEN'S INSTITUTE BRANCH.

The Department has recently organized a large number of Women's Institutes under the direction of Miss M. McIsaac. The branch publishes a handbook, issues a number of bulletins and leaflets, furnishes speakers and literature to the various societies, and assists in the educational work of the Department.

THE SEED AND WEED BRANCH is managed by Mr. J. D. Smith. He has a staff of weed inspectors who cover the province during the growing season. Meetings and Institutes are held for the instruction of officers, and these are open to the public. Inspectors are visited in their work and prosecutions are instituted where necessary. The seed fairs and standing field grain

competitions are directed by this branch, and the officers assist in institute and short course school work.

POULTRY BRANCH.

The superintendent of the poultry branch is Mr. A. W. Foley. He lectures at the Agricultural Schools, the short course schools and institutes, and holds special meetings under the auspices of various local associations. The Department has a large poultry plant from which eggs and day-old chicks are supplied at low cost. Egg laying competitions and experiments of various kinds are conducted by the poultry branch, and aid and advice are given to enquirers.

RECORDER OF BRANDS.

The office of the Recorder of Brands is located at Medicine Hat and is in charge of Jas. Wilson. He supervises the registration, renewal, and allotment of all brands, as well as the compilation of an annual Brand Book.

In addition to the branches specifically organized for agricultural work, there are a number of other branches administered by the Department of Agriculture which bear more or less directly on agricultural welfare. The Publicity Bureau besides supplying harvest hands to those who need them, also looks after the collection and compilation of crop statistics, and operates a labor bureau in harvest times. Mr. C. S. Hotchkiss is director of publicity work. The work of the Provincial Health Office and Vital Statistics Branch has relation to all classes of the community, and the work of the Provincial Bacteriological Laboratory likewise is of general incidence or application.

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The enumeration given above of the duties or services of the various branches of the Department of Agriculture is necessarily rather condensed, but it is sufficient to show the practical bearing of the work of the Department on the business of the farmer. It will be seen that in addition to the administration of the formal legislation of the Depart-

ment, all officials without exception are brought into direct contact and acquaintance with the public through the work of the Agricultural Schools, the short course schools, and the institutes, as well as by the field work necessary to the most efficient discharge of every day duties.

AGRICULTURAL PRACTICE TWO THOUSAND YEARS AGO

When cold weather and continued rain,
The labouring husband in his house restrain,
Let him forecast his work with timely care,
Which else is huddled, when the skies are fair;
Then let him mark the sheep, or whet the shining share,
Or hollow trees for boats, or number o'er
His sacks, or measure his increasing store,
Or sharpen stakes, or head the forks, or twine
The fallow twigs to tie the straggling vine;
Or wicker baskets weave, or air the corn,
Or grinded grain betwixt two marbles turn.

—VIRGIL. GEORGIC I.

FORESTRY

Some cut the shoots, and plant in furrowed ground;
Some cover rooted stalks in deeper mould;
Some, cloven stakes; and (wondrous to behold!)
Their sharpened ends in earth their footing place;
And the dry poles produce a living race.
Some bow their vines, which buried in the plain,
Their tops in distant arches rise again.
Others no root require; the labourer cuts
Young slips, and in the soil securely puts.

Some peasants, not to omit the nicest care,
Of the same soil their nursery prepare
With that of their plantation; lest the tree
Translated, should not with the soil agree.
Beside, to plant it as it was, they mark
The heaven's four quarters on the tender bark,
And to the north or south, restore the side
Which at their birth did heat or cold abide.

—VIRGIL. GEORGIC II.



BUSY IN THE LAUNDRY, OLDS



PRACTICAL HORSE-SHOEING, OLDS



IDENTIFYING ALBERTA WEED SEEDS, OLDS



AT WORK IN THE BLACKSMITH SHOP, OLDS

The Marketing of Poultry Products

By A. W. FOLEY, B. S. A., Provincial Poultry Superintendent

WHILE official reports for Alberta indicate that there has been a wonderful increase in live poultry and a corresponding increase in the amount of poultry and eggs marketed during the past ten years, the same source of information also advises us that the demand for these products in the market has been correspondingly great.

It is satisfying to know that the Province is now able to supply almost sufficient poultry to meet the needs of the consuming public. In the supply of eggs we are not so fortunate. The demand is still much in excess of the supply, and eggs have been imported by the million to meet the ever increasing demands.

The sending out of hundreds of thousands of dollars for eggs is a condition to be deplored in a province, the agricultural possibilities of which we are proud to boast. Particularly true is this in these times of financial stringency, when we require every dollar

possible to build up a financially healthy province, and a prosperous people.

Perhaps the greatest indifference to the industry is to be found in the farmers and producers, in that they do not realize that poultry is a big revenue producing factor in connection with their farm operations. The estimated revenue from poultry in Alberta in 1915 was between four and five million dollars, but because the total is made up of small items, the magnitude of the industry is lost sight of. As soon as our producers give proper attention to their poultry the present revenue can be easily doubled without material increase in numbers. This would be readily accomplished by better housing and feeding, and by breeding the better



A. W. FOLEY, B. S. A.,
PROVINCIAL POULTRY
SUPERINTENDENT

class of pure bred poultry, which at the same time would make a wonderful improvement in the class of poultry and eggs marketed.

While it is admitted that there is a marked improvement in the poul-

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try products marketed to-day as compared with those of eight or ten years ago, still there is a general complaint on the part of the producer, the dealer, and the consumer. As to dressed poultry the producer complains of the price, the dealer because it is hard to dispose of, and the consumer because he gets but little for his money. This unsatisfactory condition would be eliminated if the producer were to breed a better class of poultry, and have it properly fleshed, fasted, and prepared for market.

Perhaps greater dissatisfaction exists in the marketing of eggs. Here again the remedy lies largely in the hands of the producer. The first essential is to realize that the consumer is the market, and the object should be to satisfy him, who after all is the one who pays. The consumer demands fresh eggs for which he is prepared to pay the highest price. That this first essential is not complied with, is found in the fact that less than 6% of Alberta eggs reach the consumer fresh.

Held eggs are the curse of the egg business in Alberta, and the sooner this fact is realized and remedied, the sooner will higher average prices prevail, with a correspondingly cheaper price to the consumer. The producer by holding his eggs destroys his chance of obtaining the highest price, as the eggs become stale and the consumer pays for them on the basis of their actual value. It is a most decided mistake for the producer to hold eggs, from the fact that eggs cannot be kept at their best even in cold storage where there are facilities for keeping them at the exact temperature most suitable.

Eggs deteriorate rapidly, and this,

with their pronounced tendency to absorb undesirable taints and odors, makes it necessary that they be marketed promptly to insure freshness. Here, too, the country storekeeper plays his part, as often the eggs are placed in a store room with coal oil, gasoline and other foul odors, and held until sufficient quantities are received to make a shipment.

Just here our egg dealers are perhaps equally as great offenders. When eggs are plentiful and a surplus over immediate consumption is in sight, they reduce the price to the minimum, which encourages the producer to hold the eggs in anticipation of an advance in the near future. A stiffening of the price at this time, and in fact throughout the hot weather months, would bring the eggs in fresh.

I have in my possession an official report of the candling percentages for 1915 of one of the largest egg handling firms in the province, and will quote the returns for the month of August as an illustration of the tremendous losses due to the practice of holding eggs, and the lack of prompt and proper marketing:

	Per Cent
The perfect eggs	3.17
Select, slight shrinks, good size	28.93
No. 1—Moderate shrinks, fair size	21.43
No. 2—All small, all dirty, all badly shrunk- en	18.42
Checks and extreme heavy shrinks	10.62
Smashed and leakers	1.22
Musty	5.78
Short	1.8
Rots	8.6

These returns would indicate that

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the system of marketing eggs is still anything but satisfactory.

A number of firms are now buying on a "quality basis" instead of the old system of case count. Buying on the quality basis is the only just and business-like system, and I would strongly advise the better class of producers to market the eggs fresh, and insist on selling only on this basis.

The grading of eggs is an equally important factor entering into the marketing. To illustrate:—at the time of writing fresh eggs are worth 24c. per oz. The producer who brings in eggs weighing 28 oz. to the dozen should receive 63c. per dozen, for 24 oz. eggs 54c. per dozen, for 20 oz. eggs 45c. per doz. The producer who brings in the large eggs is encouraged to produce the best by an increase of 18c. actual difference in food value more than the person who markets 20 oz. eggs. On the other hand, the consumer who purchases 20 oz. eggs at 45c. is getting equal value with another consumer who pays 63c. per dozen for 28 oz. eggs.

Brief mention has been made of only a few of the many things that enter into the marketing of better eggs. Sufficient only to show the need of a strong campaign to develop this improvement, and a more mutual and co-operative understanding between the producer, the dealer and the consumer.

Seed Selection—40 B. C.

Yet is not the success for years assured,
Though chosen is the seed, and fully
cured,
Unless the peasant, with his annual pain,
Renews his choice, and culls the largest
grain. —VIRGIL. GEORGIC I.

"How I am Putting My Agricultural School Training Into Practice."

By Herbert Spencer, of the '15 V. S. A.
Freshman Class

DURING the short but enjoyable period I spent at the Vermilion School of Agriculture, a number of obvious truths were brought home to me, of the force of which I was probably well aware, but which the lectures and practical lessons made so patent to common sense, that I resolved to try to put some of them into practice as soon as possible.

The whole tendency of the teaching appeared to me to direct one's thought to the two words "efficiency" and "accuracy"—efficiency in work and accuracy of data, in connection with all branches of the farm.

Bearing these two things in mind, a seed plot was commenced last year with the purpose of increasing our yield per acre. A thorough inventory was taken this year of the farm, stock and improvements. A better set of books is being kept, which is of great value. Two good Clyde mares were bought with the object of raising a better grade of colt than the average. The milk from one of the best cows was weighed, and, in consequence, we hope to start a herd more worthy of the pail.

That short training caused me to feel grateful to the Vermilion Agricultural School and to the system for which it stands, for it gave me a more exalted idea of Agriculture, and a glimpse of its immensity; it taught me to make work of what formerly was drudgery, and made me more enamored than ever of my calling.

:: WEED POISONING ::

By P. R. TALBOT, V.S., M.D.V., Provincial Veterinarian

A GREAT many plants, like animals, have some particular means of defending themselves. Some possess a very bitter taste, some have stinging hairs, some are protected by thorns and prickles, while others give forth deadly poisons which are fatal to the animals that are unfortunate enough to eat them. The animal losses in Alberta, resulting from stock eating these poisonous plants, are appalling. This subject is becoming of more and more importance, because, as a result of the ever-increasing number of live stock per acre on the ranges, the animals are forced to eat unpalatable plants, with the consequence that poisoning cases are continually becoming more numerous.

From the data gathered on weed poisoning, it appears that there are about five or six species of poisonous plants in this Province, which are well worthy of attention, but the one most commonly met with,

which, in the opinion of many, causes greater loss than any other, is the Water Hemlock.

The Water Hemlock is known by various names, — spotted cowbane, beaver poison, and sometimes, though wrongly, water parsnip.

It is allied with, and somewhat resembles, the cultivated parsnip. It is three to six feet high and the branches are short, erect, hollow, jointed, and widely spreading, each branch terminating in an umbrella-like expansion of small white flowers. The flowers are in compound clusters, one to four inches across, and the small footstalks of the secondary clusters are unequal, being one to two inches long.

The plant flowers any time from July 1st to August 31st, and the seed ripens in August or September. The root consists of a bundle of spindle-shaped tubers, very much resembling small parsnips. It should also be borne in mind that propagation takes place, not only



P. R. TALBOT, V.S., M.D.V.,
PROVINCIAL VETERINARIAN

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by the seeds, but also from offsets of the root at the base of the old stem.

It is often found in considerable patches in open, marshy places, but is usually seen scattered sparingly along streams and ditches, by the waters of which the seeds are disseminated. It is found most frequently in this Province, however, in the foothills of the Rocky Mountains, and in the northern part of Alberta, especially from Township 54 to the Peace River.

The roots of the plant have long been known to contain a deadly poison, and have been used by the Indians for years for suicidal purposes. It is claimed that the flowering plants, when cut in hay, may be eaten by animals without any ill effects, but that the ripe seed-bearing plants are dangerous. Nevertheless, a number of cases have been reported where stock was poisoned in winter from eating slough hay cut in July, in which was found a considerable quantity of the Water Hemlock plant. The root may be pulled up by the guards of the mowing machine, and, when put up with the hay, some time afterwards may produce disastrous results. The roots and foliage, however, are thought to be more poisonous in early spring than at any other season, as the fresh, green sprouts, having a strong, aromatic odor, seem to be very attractive to stock. The roots are frequently pulled or dug up from the ground and eaten, and if they are trampled and crushed by animals seeking water, they give off a yellowish liquid, which floats on the water, and if drunk with it, may affect stock fatally. It will be seen at once, therefore, that no hay con-

taining Water Hemlock should be fed.

The poison of the Water Hemlock is rapid and deadly in its action, death often resulting a few hours after it is eaten; but if only a small quantity of the weed is taken, the animal may linger along for some days, or may eventually recover. The principal symptoms are:—Frothing at the mouth and nose, rapid breathing, excessive urination, convulsions, coma and death; also, it is easy to diagnose cases owing to the fact that only a few animals become poisoned at a time, and then always in wet places, the affected animal not being likely to go far from the spot where the weed was eaten.

As yet, the treatment for this plant poisoning is only in its experimental stage, and unfortunately, where much of the plant has been eaten, drugs are not very successful. Permanganate of potassium crystals in fifteen grain doses, dissolved in water, have been found beneficial in some cases. Of the more common treatments employed, those of melted lard, bacon grease, or bacon itself, given three times a day, have in many cases been effective. Milk has also often been tried with satisfactory results.

It should be borne in mind that long continuous rains during the rainy season, (the latter part of May and early June), cause stock to seek shelter, and on the cessation of the rains, the hungry animals are indifferent in their choice of forage, and are liable to eat poisonous vegetation, which, under different conditions, they might not touch at all. Care should be taken, in changing stock from one locality to another, to prevent them from eating these

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HON. DUNCAN MARSHALL,
Minister of Agriculture,
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poisonous plants, especially when the animals are hot and hungry; considerable attention should be given them until they become accustomed to their new surroundings.

From the nature of the localities where Water Hemlock grows, hand pulling is the best means of exterminating this dangerous weed, and it is not at all difficult to remove all the plants in pastures and well settled districts. The roots are generally shallow, being rarely over six inches beneath the surface, and can be easily dug up with a spade,

then piled up in heaps and burned when dry. Never should they be pulled up and thrown into sloughs, where they may be trampled upon by stock. This would liberate the poisonous constituent (Cicutoxin) and contaminate the water.

From what has been said in the foregoing, one can readily understand the importance of this subject, and the necessity of the farmers and stockmen becoming familiar with the most common poisonous plants peculiar to their particular districts.

"How I am Putting My Agricultural School Training Into Practice."

By W. O. HEMPEL, C. S. A. Graduate

UPON leaving a School of Agriculture, there are many ways by which the student may turn to profit the agricultural training he has received in that institution. It would naturally be supposed that, in order to realize the most from his two years' stay, he should return to the farm. In not following out this most logical course, I perhaps am placed in a class somewhat by myself.

When I left the Claresholm School of Agriculture, I applied for the position of grain buyer with a well known elevator company. There was some delay, due to the fact that I was inexperienced, but I finally obtained the position. Had it not been for my school experience, I would have been compelled to work for a year as assistant grain buyer.

Although I am still in the grain business, I am not prepared to say that I have used my agricultural training to my best interests.

Should I in the future decide to go back to farming, I am firmly convinced that my work in the grain business will only be a continuation of my agricultural training. In my business I have the opportunity of studying the farmer from every angle, and after a year of close observation, I am prepared to make the following statement:—Fifty per cent of the farmers do not know how to raise a crop, and the other fifty per cent do not know how to sell it!

In the business of grain buying, one has brought home to him with startling clearness the necessity of sowing only the best of seed, the folly of sowing seed that has not been thoroughly cleaned, and many other points too numerous to mention, which mean in every instance a serious loss to the grower.

In conclusion, I wish to say that, while I have used my agricultural training in a way which I believe is to my best interest, yet should any agricultural student decide to follow a profession entirely different, he will find that the years he has spent in the Agricultural School were used to his best advantage.

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Alberta Provincial Schools of Agriculture

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PRINCIPAL, VERMILION

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: A. S. A. Alumni Notes :
Present Whereabouts of the First Graduating Class

VERMILION.

- J. S. ARTHUR . . . Attending High School at Vegreville before going on to the University.
- CLARENCE BARR . Farming near Vermilion.
- FRED BELL Attending the University at Edmonton.
- FRANK BIRD Raising pure-bred stock near Vermilion.
- THOS. L. BROWN . Attending the University at Edmonton.
- G. W. FLETCHER . Dairyman on Demonstration Farm at Stony Plain.
- A. P. GOOD Farming near Vermilion.
- G. B. HAWLEY . . Farming near Vermilion.
- HAROLD LOBB . . . Farming near Duhamel.
- J. S. MCPHERSON . Attending the University at Edmonton.
- A. G. MOORE Studying for the Methodist ministry; at present a probationer stationed near Coronation, Alberta.
- WM. SHEPARD . . . Enlisted and training at Medicine Hat.
- J. A. SPARROW . . . Enlisted and training in the 89th Battalion, Calgary.
- E. C. SPARROW . . Enlisted and training in the 89th Battalion, Calgary.
- HARRY SHANNON . Farming near Mannville.
- T. H. TAYLOR . . . Attending the University at Edmonton.
- PHILIP URE Enlisted and supposed to be in training in an Aviation Corps in England.
- B. J. WHITBREAD . Attending the University at Edmonton.

All the Girls are at their own homes, as far as known.

CLARESHOLM.
BOYS

- | | | | |
|---------------------|--------------------|---------------------|------------|
| JOHN MACDONALD | DeWinton | WILFRED HEMPEL | Retlaw |
| JAS. A. JOHNSON . | Woolchester | DEVERE PETERSON | Raymond |
| RICHARD OSTRUM . | Stavely | HARRY TAITENGER | Claresholm |
| JOHN HOOD | Carmangay | H. J. HIRSCH . . . | Lethbridge |
| WALTER SCHNELL . | Claresholm | JOHN WALKER . . . | Lethbridge |
| MARTIN LEE | Claresholm | ERNEST LANGE . . . | Claresholm |
| GEO. BUTLER | Claresholm | LESTER BARR | Claresholm |
| ASCEL BUTLER . . . | Claresholm | HARRY MALCHOW . . | Stavely |
| WALTER HARVEY . . | Claresholm | OTTO MALCHOW . . . | Stavely |
| DELMER SHEARER . | Black Spring Ridge | ERNEST MALCHOW . | Stavely |
| W. E. STRANGWAY . | Claresholm | B. R. ARMOR | Nanton |
| CLARENCE CARNEY . | Claresholm | THOS. HAGGERMAN . | Parkland |
| R. G. MCLEAN . . . | Macleod | SYLVAN HILLERUD . | Claresholm |
| HUGH MCLEAN . . . | Macleod | HOWARD STEEN . . . | Nanton |

GIRLS

- | | | | |
|--------------------|------------|----------------------|-------------|
| MAE AMUNDSON . . | Claresholm | ETHELYN KNIGHT . . | Claresholm |
| EDITH STRANGWAY . | Claresholm | LEORA SCHOOF | Minneapolis |
| JESSIE ELVERUM . . | Claresholm | BEATRICE PRICE . . . | Claresholm |
| MARY SNYDER . . . | Carmangay | AGNES FOSS | Claresholm |

University of Alberta

EDMONTON

SESSION 1915-16

COURSES OFFERED IN

ARTS—Leading to B.A. and B.Sc. Degrees

APPLIED SCIENCE—Leading to B.Sc. Degree

MEDICINE—Three years of a five year course. Arrangements are made with Eastern Universities to accept our students ad eundem.

PHARMACY—Covering the requirements of the Alberta Pharmaceutical Association.

ARCHITECTURE—Three years, continuous with the two-year course in the Schools of Agriculture. The first two years consist of an amplification of the practical Agriculture, Science, Mathematics, and English given in the Schools; the third year will be one of specialization, leading to the conferring of the B.S.A. Degree.

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GRADUATE WORK—Leading to the Degrees of M.A. and M.Sc. in Arts.

For a Complete Calendar, or for Special Pamphlets in Agriculture, Law and Accountancy, apply to CECIL E. RACE, Registrar.

When answering advertisements kindly mention the A.S.A. Magazine.

: A. S. A. Alumni Notes :
Present Whereabouts of the First Graduating Class

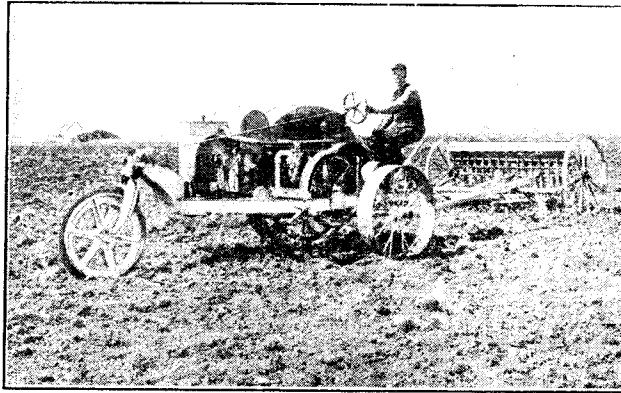
OLDS

GIRLS

DISA BJORNSSON.....	At home near Markerville.
HATTIE CLARKE.....	Teaching at Bocket.
MARION D. CRAIG	Wintering in California; home address, Olds.
LAURA E. HARTMAN ..	At home at Olds.
LAURA M. NELSON	At home at Carseland.
EDYTHE RHODES.....	At home at Bowden.
LUCILE SHEA	At home at Olds.
ELIZABETH STROYAN ..	Teaching at Perbeck.
RUTH WALROD.....	At home at Olds.
VERNA WELSH.....	At home at Olds.

BOYS

JUDSON ARCHIBALD ...	Farming at Lochinvar.
JESSE F. BLACK	Working for his B.S.A. at the University, Edmonton.
JOHN E. ELLIS.	Last heard of at Innisfail.
GORDON L. FLACK....	Farming west of Lacombe.
J. A. GOLDIE.....	At the front in France, with the 3rd Canadian Pioneer Battalion, C.E.F.
ROBERT P. GRATZ	Farming at Sunnyslope.
HENRY GUENTHER....	Farming east of Olds.
H. HIGGINBOTHAM ...	Western representative of the Grain Growers' Guide; headquarters at Winnipeg.
RUSSEL IDE.....	Farming at Olds; expects to go to the States soon.
ARTHUR McALLISTER..	Farming east of Penhold.
ANGUS McKINNON ...	Farming near Langdon.
J. L. McKINNON	Farming west of Red Deer.
TOM McNALLY.	Farming in Goose Lake district, Saskatchewan.
ANGUS McNEILL	Enlisted and training with the 66th Battalion, C.E.F., Edmonton.
E. C. MENZIES.	Working for his B.S.A. at the University, Edmonton.
PROCTOR PAULSEN....	Farming at Asker, east of Ponoka.
HOWARD PIERCE	Farming near Daysland.
CARL SCHOLL	Working for his B.S.A. at the University, Edmonton.
THOMAS SIGURDSON ...	Farming at Burnt Lake.
ROBERT D. SINCLAIR..	Working for his B.S.A. at the University, Edmonton.
EINAR E. STEPHENSON.	Farming near Innisfail.
FRANK D. STEVENETTE	Farming east of Penhold.
SWAIN SVEINSON	Farming at Burnt Lake.



**YOU NEED A
GOOD LIGHT TRACTOR ON YOUR FARM**

It makes no difference whether you farm 100 or 1000 acres, there is a profitable place on your farm for a good light tractor. Sooner or later you will be in the market looking for the best. That is the

BIG BULL

WITH THE SEVEN HORSE PULL

The **BIG BULL IS GUARANTEED** to pull two 14 in. plows under ordinary conditions and to deliver 20 h.p. at the belt. It travels faster than horses, eats only when it works and never tires. It will do all your heavy farm work, plowing, discing, seeding, harvesting, hauling, and all your stationary belt work to the running of a small thresher. The **BIG BULL** is made in Canada, built on experience of the real tractor needs of the farm, developed to its present efficiency through actual working conditions, and is now the most rapid selling and most satisfactory working small tractor in the West.

Write for literature and full information and for full particulars of our Unqualified Sale Guarantee

Bull Tractor Company of Canada, Ltd.

333 Main Street

Factory at Port Arthur, Ont.

Winnipeg, Man.

When answering advertisements kindly mention the A.S.A. Magazine.

FROM THE EDITOR'S CHAIR

IT is with mingled feelings of pleasure, relief (we confess it!) and regret that we view the completion of this, the second number of the "A.S.A. MAGAZINE;" pleasure and relief, as we see the Magazine an accomplished fact, and know that our days and nights of toil on its behalf are over; and regret, as we remember that soon we shall sever our close connection with the Magazine, and also as we see that we have not attained to the high ideal which we set before us. And yet we cannot help thinking that this is a fairly creditable achievement for amateurs in journalism such as we—the three editorial staffs—are. With this preliminary self-commendation, we must gratefully acknowledge assistance from many quarters.

The Magazine has again been printed at Olds, and this meant that a considerable amount of work devolved upon the Olds Magazine staff, but the editorial staffs of Vermilion and Claresholm by no means held a sinecure, and they have carefully and efficiently done their part, which was no inconsiderable one, towards making the Magazine a success. Our thanks are also due to Mr. H. Higginbotham, the founder and first editor of the Magazine, whose experience, both with this publication and in wider journalistic fields, has made his practical advice and suggestions of the greatest value.

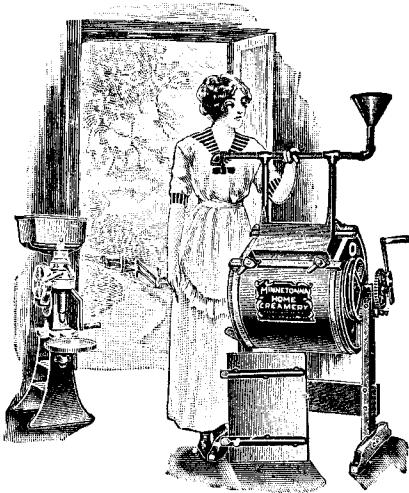
The Minister of Agriculture and the officials of his Department have given us very considerable assistance, and have always been ready to help us in any way. We were particularly fortunate in securing the articles for the general section of the Magazine, and our best thanks are tendered to the writers of these. Mrs. McClung has kindly sent us a poem, which will appeal to all our readers; we have a stirring message from the pen of Mr. J. S. Woodsworth; and the Minister of Agriculture, Mr. Craig, Deputy Minister, Mr. Foley and Dr. Talbot have contributed articles of interest and profit.

We are indebted also to those firms who are advertising in this issue. We are printing 2000 copies of the Magazine this year, and it is apparent that these business houses realize its value as an advertising medium, since we have had no difficulty in securing more advertisements than appeared in the 1915 issue.

This number of the Magazine is dedicated to the memory of the late Dr. Shuttleworth, of Blackie, who was a member of the Board of Agricultural Education for Alberta at the time of his death.

The Alberta Schools of Agriculture are a success and have come to stay. We believe the same to be true of the "A.S.A. Magazine;" and so, in vacating the Editor's chair, we wish the Magazine and its Editor-to-be the greatest possible success.

ARNOLD H. BAKER,
Editor-in-Chief.



Minnetonna Home Creamery

Each Minnetonna Home Creamery is
Backed by the Full Responsibility
of this Firm.

**ABSOLUTELY GUARANTEED
TO MAKE GOOD FOR YOU**

Here's something you have undoubtedly wanted and longed for. Here is a combination three-in-one machine just like the creameries use. So mechanically perfect and well built that instead of having three or four different kinds of machinery to make butter, you can now do it better, quicker and with more profit with just this one machine.

The MINNETONNA HOME CREAMERY marks a new era in the possibilities of butter making.

It brings more forcibly than ever before you that all-important question---"Is my butter going to be good or bad?" The MINNETONNA HOME CREAMERY settles this question---and settles it so economically and easily that if you do not install one you are not taking advantage of a modern opportunity placed before you.

YOU need the MINNETONNA HOME CREAMERY.

You need it for more than one reason---first, because it will bring to you a much higher standard of CREAMERY butter, made right in your own home, with your own well-taken-care-of butterfat and in your own clean kitchen. It will bring materially increased profits to you because of its ability to make *more* butter and *better* butter which you can sell at standard market prices.

And even better---it will mean the saving of a whole lot of time and expense on your part by doing away with long trips to the creamery or station and long trips back home again. No longer will you have to stand in *line at the station or the creamery*. No longer will you have to take the standard price for your butterfat and let the creamery or centralizer get the 18 to 25 per cent. overrun.

The MINNETONNA HOME CREAMERY eliminates all these unpleasant and unprofitable features.

The MINNETONNA HOME CREAMERY is guaranteed to be exactly as represented; to give satisfaction and produce the very finest creamery butter that can be made, if our instructions are followed.

A sample of this Machine may be seen at the Olds Provincial School of Agriculture

MARSHALL-WELLS ALBERTA CO., LTD.
EDMONTON, ALBERTA

WHOLESALE SELLING AGENTS FOR ALBERTA

On Sale at all good Hardware Stores in Alberta. If your local Dealer does not handle this Creamery, kindly write us and we will give you the name of a Dealer handling this Creamery in your vicinity.

When answering advertisements kindly mention the A S A. Magazine.

EDMONTON SPRING HORSE SHOW
CATTLE SALE and FAT STOCK SHOW
APRIL 4th to 8th, 1916

\$9290 IN CASH
PRIZES



\$1000 IN CUPS AND
MEDALS

Entries for the Cattle Sale close - - - March 15th
Entries for Horses, Sheep, Swine and Fat Stock close March 22nd

EXCURSION RATES ON ALL RAILROADS
IF YOU WANT TO BUY PURE BRED LIVE STOCK—
IF YOU WANT TO SELL PURE BRED LIVE STOCK—
COME TO EDMONTON SPRING SHOW

For Prize List and all Information write

W. J. STARK, Manager,
P.O. Box 216, Edmonton

ALBERTA SPRING HORSE SHOW
CALGARY

AFTERNOONS AND EVENINGS ***APRIL 13th to 15th***

Prize List now ready. Entries Close April 1st.

Association Auction Sale of Pure Bred Bulls—CALGARY, Apl. 10 to 12

Entries Close March 10th. Send for Catalogue.

Bulls to be Judged Monday; Sale commences 9.30 a.m. Tuesday.

Association Auction Sale of Bulls - - - LACOMBE - May 31st

Entries Close May 1st.

409 Bulls Sold by the Association in 1915

Freight paid on Bulls to purchaser's nearest station for nominal fee.

REDUCED PASSENGER RATES

GEO. LANE, President,
Alberta Horse Breeders' Association

J. L. WALTERS, President,
Alberta Cattle Breeders' Association

E. L. RICHARDSON, Secretary and Managing Director,
Alberta Live Stock Associations, Calgary.

A. D. CHMELNITSKY



**. . GENERAL . .
MERCHANDISE**

Robin Hood Flour

ALL ORDERS RECEIVE
PROMPT ATTENTION



VERMILION - ALBERTA

M. J. HOWES & SONS

DUROC JERSEYS

WHITE ROCKS

SEED POTATOES

"PRAIRIE FLOWER" a SPECIALTY

Better than Wee Macgregor

MILLET - ALTA.

Ed. J. Kibblewhite

Chemist and Optician

Drugs & Toilet Articles

Eyes Scientifically Tested
Frames and Lenses Fitted for Comfort

VERMILION - ALBERTA

Geo. S. Matthews

**BARRISTER
SOLICITOR.
NOTARY . . .**

OFFICE -
Old Bowtell Block, First Street South

Phones - Office 173, Residence 158

VERMILION - ALBERTA

M. WENER
GENERAL MERCHANT

On all \$15 or over CASH
ORDERS we compete with
Mail Order House Prices

GROCERIES a SPECIALTY

PHONE 122

VERMILION - ALBERTA

Vermilion Section



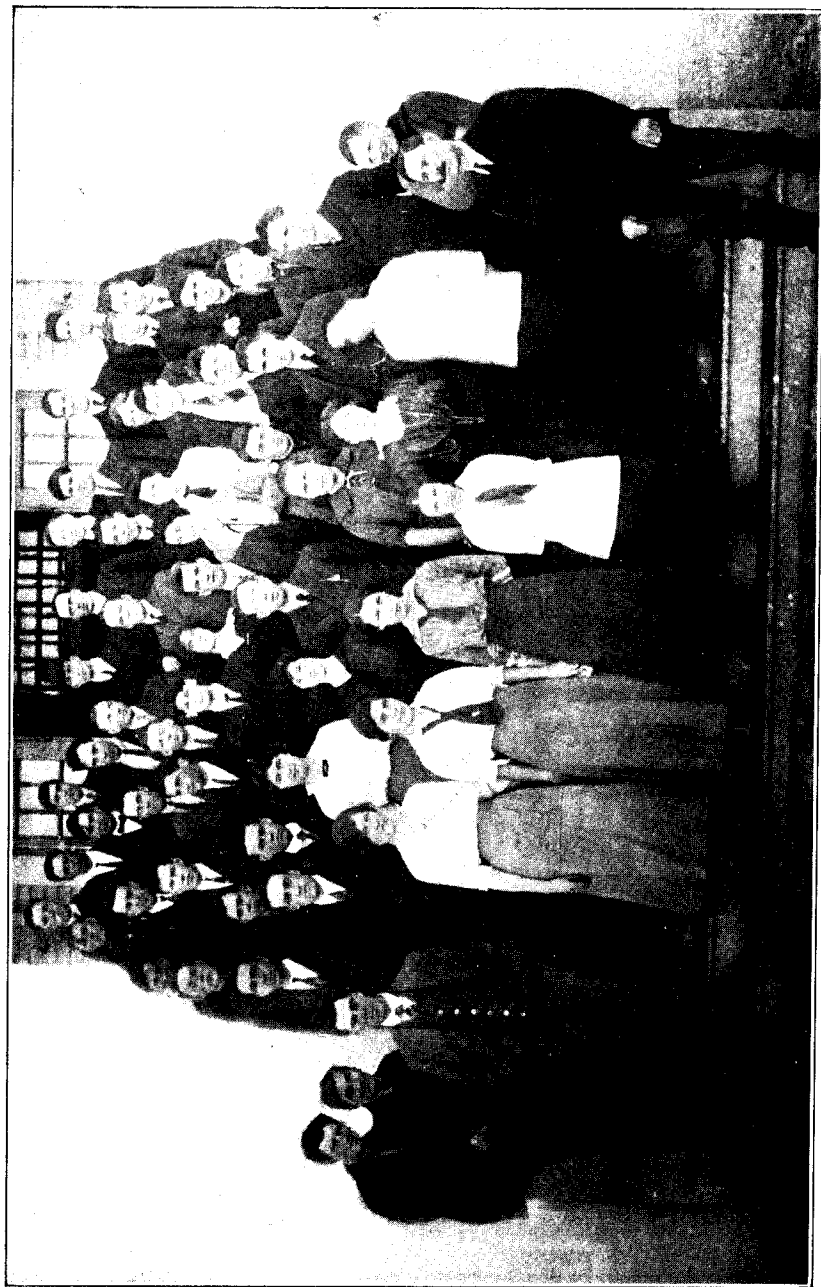
A.S.A. MAGAZINE

Vermilion Magazine Staff

Editor	-	-	-	-	WM. MELVIN FLEMING
Assistant Editor	-	-	-	-	SYDNEY BARNES
Business Manager	-	-	-	-	F. L. GRACEY
Assistant Business Manager	-	-	-	-	J. G. CLARK
Secretary	-	-	-	-	MISS B. SCOTT



VERMILION SCHOOL OF AGRICULTURE STAFF.



STUDENTS AND STAFF, VERMILION SCHOOL OF AGRICULTURE

: V. S. A. Honor Roll :

Ex-Students of the V. S. A. Who Have Enlisted

WILFRED EYRE, Vermilion:

Attended the School of Agriculture one year, 1914-15. Enlisted at Edmonton and is now training in the 66th Batt., C.E.F.

FLOYD SHAW, Vegreville:

A member of the first class at the V.S.A. Enlisted in the 2nd Contingent. Present whereabouts unknown.

WM. SHEPPARD, Edmonton:

Gave up his second year course to enlist in November, 1914, in the Mounted Infantry. He was severely injured last spring by being thrown from a horse, but has recovered, and is again in training at Medicine Hat.

ED. SPARROW, Sedgewick:

A class '15 graduate. Joined the 89th Battalion and is now in training in Calgary.

ALEX. SPARROW, Sedgewick:

Also graduated in March, 1915. Joined the 51st Battalion in October, but recently has been transferred to the same battalion as his brother.

P. S. URE, Vermilion:

Returned to England after receiving his diploma last March, and enlisted in an aviation corps. Present whereabouts unknown.

HERBERT SPENCER, Edgerton:

Enlisted in April and trained in Calgary for several months. Unfortunately he contracted muscular rheumatism and was given his discharge.

**A Word From a Student
To His Fellow Students**

All that glitters is not gold,
But fields of wheat, when they are sold,
Produce our means of livelihood,
In form of bread, our daily food.

That golden color is not lost,
Except by rain or bitter frost;
'Tis seen again in metal round,
In coffers of the rich abound.

From far across the sea to-day
A distant message seems to say,
"Help to feed your land's defenders,
Canadian farmers! be our senders."

So surely as the struggle grows,
In Egypt's heat, in Europe's snows,
That veil of sorrow may be lifted
By our great land so richly gifted.

Lo! Western towns did once profess
A store of riches to possess,
Which left them destitute and bare,
To seek for work and country fare.

But in those days of joy and pleasure
The farmer did not get his measure;
Yet still he struggles as before,
And keeps the wolf from many a door.

So let us help with might and main,
When we go back to farm again,
For there we'll find our "bit" to do,
And help support our country too.

For an hour the teacher had dwelt
with painful iteration on the part
played by carbohydrates, proteids
and fats in the upkeep of the human
body.

At the end of the lesson the usual
test questions were put.

"Can any girl tell me the three
foods required to keep the body in
health?"

There was silence till one maiden
held up her hand, and replied, "Yer
breakfast, yer dinner and yer sup-
per."

: V. S. A. YELLS :

V S.A., V.S.A.

Are we in it?

Well, I should say!

Boom a lacka! Boom a lacka!

Sis! Boom! Bah!

Ver - mil - ion!

Vermilion!

* * *

(Low) We're out for gore!

We're out for gore!

We're out for gore!

Keep her low!

Keep her low!

(Loud) Let her go!

Chickety rick, chickety rick,

chickety rickety roo;

We're the boys of the V S.A.

Who on earth are you?

* * *

Get a veevo, get a vivo,

Get a veevo vivo vum!

Boom! get a rat trap bigger than a
cat trap,

Boom! get a rat trap bigger than a
cat trap,

Boomsky, boomsky! Sis! Boom!

Bah!

V.S.A., V.S.A., Rah! Rah!! Rah!!!

Professor—"Can you give me the
effects of heat and cold?"

Student—"Heat expands and
cold contracts."

Professor—"Right. Give me an
example."

Student—"In summer, which is
hot, the days are longer; but in
winter, which is cold, the days are
shorter."



VERMILION STUDENTS' COUNCIL

J. A. LAWSON, J. S. McNAUGHT, F. GRACEY, S. BARNES, J. G. CLARK
MISS R. CONNELLY, G. M. WILLIAMS, MISS B. SCOTT, W. M. FLEMING, MISS A. GARES



LITERARY AND SOCIAL COMMITTEE, VERMILION

BACK ROW: W. HANRAHAN, F. GRACEY, J. G. CLARK, N. A. CLARK, S. McNAUGHT, J. ROZMAHEL,
B. ANDERSON, H. H. MCINTYRE, B.S.A., W. M. FLEMING, W. HANSON
FRONT ROW: F. S. WILSON, MISS A. GARES, MISS B. SCOTT, MRS. E. PARSONS, MISS B. WITHERBE



HOCKEY TEAM, VERMILION
 HANSON, JAMES, J. G. CLARK, WILSON, Captain
 M. A. CLARK, ANDERSON, President
 SCOTT, LAWSON, GRAY



MAKING THE BEST BUTTER, VERMILION

SOPHOMORE CLASS '16, VERMILION S. A.

BEN ANDERSON. Although born in Minnesota, Ben is an oldtimer in Alberta, coming to Bardo 21 years ago, while the nearest railway was 50 miles distant. Since then four railway lines have been built within a few miles of his farm. As President of the Glee Club he has been the real factor in bringing this successful organization into being, and placing it on a sound working basis. He also has made a very efficient President of the Athletic Association, and is a faithful member of the Y.M.C.A. Executive.

* * * *

LACEY L. CRAIGE. Over half of the class of "Sweet Sixteen" have come to us from the States, Mr. Craige among the number. Washington has the honor of being his birthplace, and he has lived for short periods in Idaho and Oregon, but Alberta deserves the credit for his development, as he came to Dewberry in 1906 while still a mere child. After leaving public school, he came to the V.S.A. to round off his education.

* * * *

NORMAN A. CLARK began his education in London, England. Coming to Alberta in 1907, he homesteaded at Pembina. He entered Alberta University in 1913, and this winter is taking the two years' course of the School of Agriculture in one, before returning for his B.S.A. He has done good work as Secretary of the Glee Club and of the Athletic Association, and as President of the Y.M.C.A. has largely been the means of making that organization a success.

* * * *

FRANK EYBEN. Born in Dows, Iowa, the subject of this sketch came with his parents to Cummings, Alberta, in 1907, and settled down to mixed farming. Believing that farming is a science, he came with his brother to Vermilion School of Agriculture, to familiarize himself with the underlying principles of agriculture, and returns to the farm to apply his acquired knowledge.

* * * *

JOHN EYBEN. Like his brother Frank, John wished to drink deeper from the sources of knowledge than was possible in a public school education, and entered the V.S.A. with the same aim in view, returning to farming as his chosen occupation.



SOPHOMORE CLASS '16, VERMILION S. A.



MISS ALLIE GARES opened her "laughing orbs" where the balmy breezes of the Pacific fan the beautiful site of Honolulu on the Island of Hawaii. However, she was not destined to spend all her childhood days playing in the red sea sand, but moved with her parents to Alberta, settling first in the Edmonton district and later near Gilpin. The esteem in which she is held is shown by her being chosen as President of the girls' section of the Students' Council.

* * * *



WM. MELVIN FLEMING. Our worthy editor is a graduate of the London (Ont.) Collegiate Institute and Calgary Normal. After teaching nine years, chiefly near Sedgewick, Alberta, where he made a name for himself with school gardens, he is now studying for his B.S.A. As President of the Students' Council, Secretary of the Literary Society and Y.M.C.A., Editor of the V.S.A. Times and A.S.A. Magazine, he has been actively associated with the official life of the school.

* * * *



FRED CONNELLY was born in Pontiac County, Quebec, but came with his parents to Lacombe, when eight years old. After brief sojourns in Lacombe and Millet they finally settled and still reside on a farm south of Vermilion. Being a successful thresher, Fred was attracted by the course on gas and steam engineering, but took full advantage of the rest of the course as well.

* * * *



JOHN W. GRAY, the man from Missouri, crossed the boundary in 1903, and settled in the fertile Beaver Lake District. His early education was obtained by tramping five miles each morning to Tofield. Always keen for a match in running, boxing or wrestling, he is no mean antagonist to tackle, and has always been able to capture the half-mile event in his own district, having a record of 2.20 for this distance.

* * * *



JOHN A. LAWSON. Jack's good nature and genial smile have won for him many friends. He first saw the light at Auburn, Minnesota, in 1896. He came with his parents to Alberta and founded the Morden Ranch at Meeting Creek. In 1913 he became a member of Arts '15 and Science '16 Classes at McGill University, but his love for Shorthorns prevailed over the Arts and Sciences, and he decided to stay with Agriculture. He has guarded well the nets in many a strenuous hockey game, both last season and this.

SOPHOMORE CLASS '16, VERMILION S. A.

HENRIETTA GILMOUR, the only member of Class '16 born in Western Canada, spent her childhood days first in Osborne, and later near the picturesque shores of Swan Lake, Manitoba. Plumas and Oehre River, Man., made temporary homes for her before she came to Vermilion in 1907. She was a student of the short course in Domestic Science two years ago, and is now completing the second year work.

* * * *

JOHN P. ROZMAHEL. "Rosie" first greeted the day in Catherine, Nebraska, but his childhood days were spent at Columbia Falls, Montana, where he received his public school education. In 1909 he again moved, this time to Wavy Lake, Alberta, his present home. Quietly attending to his work, he has taken full advantage of the course. Although so earnest a student he has made a popular and efficient member of the Social Committee.

* * * *

HAROLD GARES began his career in Honolulu, Hawaii, the land of the octopus and the pineapple, but came to Alberta at eight years of age, first to the Edmonton district, later to Gilpin, his present home. His education was gleaned in the public schools of both places. His quiet, unassuming manner has won for him the esteem of all his fellow students.

* * * *

NATHAN HOWES is a member of the firm of M. J. Howes & Sons, Millet. Although late in commencing the course he has worked his way into the front ranks as a student, and expects to continue his studies at the University. Holyoke, Mass., is honored as his birthplace, but he has been engaged in mixed farming near Millet ever since he was old enough to take a share in the farm. He is a prominent worker on the Y.M.C.A. Executive.

* * * *

J. S. McNAUGHT was born in "bonnie Galloway," near the black waters of Dee, and was educated at Castle Douglas Academy. Emigrating in 1912 to the Calgary district, for the past two years has been employed on the Dominion Government's Demonstration plots at Strathmore. "Mac" has proved himself a competent stock judge, and is an efficient President of the "Lit." and member of the Students' Council. Many of our "white hopes" have met their fate in consequence of his ability with the gloves.



SOPHOMORE CLASS '16. VERMILION S. A.



GLEN MOORE was born on a frontier homestead in Kansas. His parents brought him to New Norway in 1903. Six years later they homesteaded near Jarrow, before the G.T.P. was constructed. Having been so much on the frontier, where educational facilities usually are meagre, Glen availed himself of the opportunity offered by the Schools of Agriculture to improve his education, and is now completing his second year.

* * * *



F. L. GRACEY began an eventful career in Essex, Ont. Early thrown on his own resources he made his home temporarily in several States before joining a Peace River survey party. Deciding that Agriculture offered more prospects he gave up a promising career as a surveyor to begin his studies here. As President of the Social Committee, Business Manager of the A.S.A. Magazine, and a member of the Students' Council and Athletic Committee, he is one of the most useful and popular students of the school.

* * * *



WM. STEPHENSON SCOTT was born in Bucknall, Lincolnshire, England. In 1908 he came with his parents to an irrigated farm near Calgary. While there he attended the first class in Agriculture, at Olds. Moving to Warwick, near Vegreville, in 1914, he is finishing his course at Vermilion. A very competent stock judge, we predict for him a brilliant future in this line.

The sweetheart of a V.S.A. Sophomore received a letter from him recently, part of which is found below. This may explain his downcast looks and forsaken air, as morning after morning he waits for the answer that does not come. The letter consisted of three pages, and the closing paragraph on page one began thus:—

“Darling, I don’t forget you, though I am far away and busy with my studies. Your photo is always on my study table, and even in class hours I seem to see your picture floating before my eyes. You are— (page 2)—an ideal beef animal, muzzle broad and strong, face slightly dishd, eyes wide apart, ears fringed with long, silky hair, ribs well sprung out from the back bone, indicating strength of constitution and good feeding capacity; general appearance, a rectangular block, if the head and legs were cut off close to the body”—his sweetheart read no further.

Moral—Be careful when using a letter pad to remove all lesson notes from it.

Experiments In the Crate Fattening of Poultry : : at the Vermillion School of Agriculture

A RECORD of the many varied features of our work at Vermillion would be incomplete without mention of the experiments in crate fattening of chickens carried out by the students. On November 12th, 36 birds were divided into three lots of 12 birds each, and placed in crates, four birds to a section. After fasting 12 hours they were weighed, and then fed for 18½ days. Complete records showing the various details of the work were kept.

The quantity of feed per bird was increased from two ounces, at the commencement of the feeding period, to 4½ ounces daily during the last five days.

The various ground grains were sifted to remove the coarser hulls; the finer portions were then mixed with skim milk or butter milk in a proportion approximating 10 lbs. of meal to 20 lbs. of milk at first, and later, 10 lbs. of meal to 17 lbs. milk. The total quantity for each day was mixed 12 hours before the first feed was given. Feed was given in troughs at 8:30 a. m. and 4:30 p. m.

Crate No. 1 was fed ground oats.

Crate No. 2 was fed ground oats, wheat and barley, in the proportions of two of oats to one each of wheat and barley.

Crate No. 3 was fed a mixture of equal quantities of ground oats, barley and wheat.

COST OF FEED

CRATE No. 1 CONSUMED—		CENTS
61 lbs. of oat chop valued at \$1.00 per cwt.....		61
125 lbs. of buttermilk and skim milk at 20c. per cwt.....		25
		86c

CRATE No. 2 CONSUMED—		CENTS
30.5 lbs. oat chop at \$1.00 per cwt.....		30.5
15.75 lbs. barley chop at \$1.15 per cwt.....		18.1
15.75 lbs. wheat chop at \$1.25 per cwt.....		19.7
125 lbs. skim milk at 20c. per cwt.....		25.0
		c93.3

CRATE No. 3 CONSUMED—		CENTS
20.4 lbs. oat chop at \$1.00 per cwt.....		20.4
20.3 lbs. wheat chop at \$1.25 per cwt.....		25.4
20.3 lbs. barley chop at \$1.15 per cwt.....		23.4
125 lbs. skim milk at 20c. per cwt.....		25.0
		c94.2

THE A. S. A. MAGAZINE

WEIGHT OF BIRDS

	No. 1		No. 2		No. 3		Total Weight	
	lbs.	oz.	lbs.	oz.	lbs.	oz.	lbs.	oz.
Weight of 12 birds on Nov. 12	54	9	57	3	53	13	165	9
" " 12 " after 18½ days....	73	0	74	7	70	15	218	6
" " 12 " " 24 hours fast	69	13	70	14	68	9	209	4
" " after bleeding and plucking	63	6	64	9	62	0	189	15

Chickens were selling at 10 cents per lb. live weight when these were placed in the crates.

Cost of 36 chickens—165 lbs. 9 oz at 10c. per lb.....	\$16 56
Total cost of feed—80c., 93.3c., 94.2c.	2 74
Total cost	\$19 30

THE REVENUE FROM SALE OF—

24 chickens dressed 126 lbs. at 20c. per lb.....	\$25 20
12 " " " 61 " 11 oz. at 15c. per lb.....	9 25
Total revenue.....	\$34 45
Less express.....	1 70
.....	\$32 75

COST OF PRODUCTION—

52 lbs. 13 oz. of live weight gain made for	\$2 74
Cost of producing 1 lb. gain, crate No. 1	CENTS 4.66
" " " 1 lb. " " No. 2	5.4
" " " 1 lb. " " No. 3	5.5
Average cost of producing 1 lb. gain.....	5 2
Total profit on 36 birds.....	\$13 45

Total profit on each bird.. 37.36 cents

Although excellent gains were made, they are not exceptional, and should be exceeded on a farm having the proper type of poultry for fleshing, and under the care of a feeder having a thorough knowledge of the nature of the work undertaken.

In our work there were some factors which were not conducive to the greatest gain. The birds were frequently handled by the students, in order to obtain knowledge of the most desirable feeding type, and the individual gains made by the different types. The birds were fed at intervals of eight and sixteen hours; twelve hour intervals would, we believe, have resulted in greater gains by the fowls. Rather low temperatures prevailed during the fleshing period. Had each feed been prepared twelve hours in advance, the fowls would have received at each feed the exact proportion of each day's allowance.

On the other hand, we were fortunate in obtaining healthy, vigorous fowl, of good type; as they were in rather thin flesh, the gains were greater than could otherwise have been made. Each frame will carry

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only so much flesh; the proportion of flesh on the frame, when birds are placed in the crates, will, therefore, limit the gains made during the fleshing period.

The greatest gains will be made and the best quality of dressed carcass produced when:

1. Birds of excellent type are fed.
2. Birds are free from insect vermin.
3. The feeder observes closely the condition and the appetite of the birds.
4. The birds are fed to capacity during the last week of the fleshing period.
5. The birds are fed only so long as gains are obtained commensurate with the quantity of food eaten.
6. The birds are starved twenty-four hours before killing.
7. The birds are killed by bleeding and sticking in the roof of the mouth, and dry plucked.
8. The birds are shaped and cooled before packing in shipping cases.

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CLARK MANOR, ALTA.

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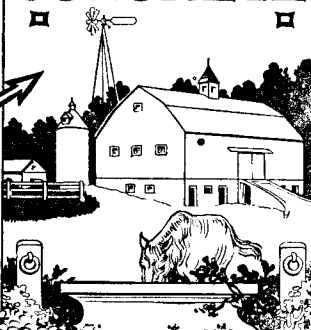
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: SOCIAL :

IN spite of the depression usually felt in times like these, the V.S.A. has not neglected the social welfare of its students. Quietly, and in a becoming manner, the entertainments which have taken place have done much to alleviate the pangs of home-sickness, which usually afflict the boy or girl in the first year away from home. In the following paragraphs we briefly review the events of the term.

* * *

One of the most pleasant surprises the school had to offer was the Faculty Reception on November 12th, in the nature of a dance, preceded by a series of novel and very amusing games.

Like all beginnings, the beginning of the scholastic term must have been hard for most of us. At first the novelty of our surroundings did much toward abolishing our melancholy thoughts, but once this brief period was over, the task of knuckling down to hard work had to be faced, and the usual difficulties presented themselves. Many of us might have felt somewhat disappointed at not finding all to be just as anticipated; others, no doubt, were surprised at the nature of the work and the amount of ground to be covered. However, the kind thought of the staff had the desired effect, as it brought about a union and co-operation, not only amongst the students, but also between the students and instructors.

* * *

Shortly after the beginning of the

session last fall, while the girls of the V.S.A. were still feeling the strangeness of their surroundings, Mrs. Grisdale entertained them at her home. The afternoon was spent in Red Cross work and games, after which a delightful supper was served. The cheerful atmosphere which prevailed at once had its effect, and all left with regret that the afternoon was over.

* * *

A brilliant idea on the part of our Principal resulted in the formation of an **SOCIAL COMMITTEE** entertainment committee, under the supervision of which the students joined together once a week in revelry of one kind or another. So far the cold weather has not permitted any form of outdoor amusement taking its allotted place, but dancing and indoor games proved excellent substitutes.

The members of this committee are:—F. Gracey, President; J. G. Clark, W. Hanson, J. Rozmahel, Mrs. E. Parsons, Miss Gares, Mr. H. H. McIntyre, Staff Representative.

Briefly, that a record may be kept of our social doings, the dances were:—The college ball on Dec. 15th, the dance on Jan. 28th, to raise money for the piano, and the Women's Institute ball on Feb. 14th.

* * *

In the great work of assisting the wounded and needy **RED CROSS TEA** during these hard and trying times, we seize this opportunity of allowing the public to see that "Our Girls" have done their share, yes, proportionally more than their

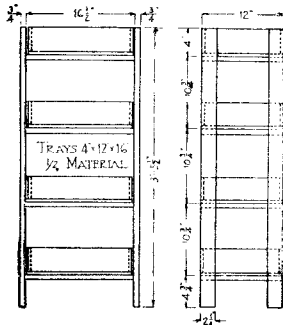
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presents a valuable collection of problems in woodwork, for the use of the pupil or teacher of manual arts and agriculture, and the boy on the farm.

It represents, not only the experience of the Author, but also the experience of farmers, fruit-growers, bee-raisers, gardeners, carpenters, and woodworkers. The best type of each problem is shown and the design best fitted for its particular use.



There are 60 full-page plates of working drawings, accompanied by related text treating of "Purpose," "Materials," "Bill of Stock," "Tools," "Directions," and "Assembly."

There are 100 problems including a wide variety, classified under Shop Problems; Poultry Problems; Seed Corn Problems; Yard Problems; House Problems; Garden Problems; Stock Problems; Barnyard Problems; Bee Raising Problems; Concrete Forms; Other Problems. Price, Postpaid, \$1.00.

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VERMILION - ALBERTA

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THE A. S. A. MAGAZINE

share, in helping the cause. Private time and labor have been devoted continuously but silently; yet hard as it is to keep a good man down, it is still harder to entirely eclipse such meritorious labor. Weeks passed and we knew not what was actually being done, but when it culminated on Dec. 18th with an exhibit and sale which drew almost the entire populace of the town with such splendid results, we got an idea, for the first time, of one of the main side issues of the Domestic Science Department. The following is clipped from the Vermilion Standard:—

"On Saturday last a most successful tea and exhibition was held at the School of Agriculture, in aid of the Red Cross Society. In the assembly room were tables laden with the work of the girl students, both cooking and sewing, which elicited many remarks of admiration and delight from the many guests who went out from town.

"The cooking exhibit comprised all kinds of bread, biscuits and small cakes, besides candies of all the most toothsome varieties, jellies, preserves and most delicious Christmas cake. Miss Hotton received many congratulations on the success of her pupils in this department. Several tables bore the sewing exhibit - frilly things of all kinds, and also the more substantial sort of sewing, including frocks and a complete box of Red Cross work, all made by the girls under Miss Lavallee's capable instruction.

"In the dining-room, which was prettily decorated in red, Mrs. Grisdale poured tea. A gay throng partook of the dainties offered there and then went on to the witches' booth, where two weird sisters dis-

pensed absolutely certain fortunes for the trifling sum of 10c.

"In all the affair was most successful, and the girls cleared \$47 from this most laudable enterprise."

* * *

On Thursday, Feb. 10th, a dinner party was given at the School of Agriculture, at which the guests of honor were Dean and Mrs. Howes of Edmonton. Miss Hotton was a most charming hostess and she received many favorable comments on the skill of her Domestic Science classes, the members of which prepared and served the many courses. Covers were laid for twelve. The decorations were carried out in pink and white, with Enchantress carnations and pink shaded candles. Place cards and menu cards, and the courses of the menu itself, also followed out the dainty color scheme.

* * *

On Saturday, the 19th of Feb., Miss Hotton and Miss Lavallee, with their usual thoughtfulness, planned a thimble tea, to which were invited the girls of the V.S.A. and a few of their friends. Although the time was spent pleasantly, it was interwoven with a worthy object, that of helping in the work of the Red Cross, the urgent needs of which are ever kept in mind in spite of social pleasures. A game contest was enjoyed by all, after which refreshments were served, bringing the delightful afternoon to a close.

Freshman—"I just live in Miss B.'s eyes!"

Sophomore—"I don't wonder at that; the last time I saw her she had a sty in them."

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Total Assets	- - -	\$190,000,000

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LITERARY SOCIETY

THE session started in November with an evening devoted to impromptu speeches. The amusement and pleasure with which the audience listened to the efforts of the speakers augured well for the success of future meetings. Each Friday afternoon the students meet in the Assembly Hall for entertainment or discussion. Debates again have been made a special feature, and the improvement in public speaking is easily noticed. Two students act as judges and one as critic different students for each afternoon — and the debates have not only helped those engaged in speaking, but they have also given invaluable practice to the judges and critics.

Special meetings open to the public are held each month. At these, debates are arranged between students who are more practiced in public speaking, and judges and critics are secured either from the faculty or from the town. The programmes have been greatly helped by the addition of musical items. The "V.S.A. Times" — a record of the events (wise and otherwise) that happen at the school or to the students — is read and enjoyed. These meetings are followed by a short dance, and have been very popular, both among the students of the school and the people of the town.

The purely literary side has not been neglected. A series of meetings has been arranged to discuss "Canadian Authors." Mr. Fleming contributed the first paper, dealing with Archibald Lampman.

This should prove a very valuable course, as the authors of our own country have been studied much less than they deserve.

The value of the Literary Society to each student is varied in a large measure by the attitude of mind he or she brings to it. Although it must often seem annoying to be chosen to take part publicly, yet we would point out to those who usually are content to "stand and wait," that by putting their best into a paper, a speech, or a discussion, they not only make it more interesting for others, but they themselves are amply repaid for the extra work and trouble, by the increased enjoyment they feel, and the training it gives them. We would urge those who find the "Lit." uninteresting, to try the plan before they give up; to take part in the meetings, and see how much they can improve them, instead of waiting for some one else to do it.

The following officers were elected for 1915-16:

PRESIDENT:

Mr. S. McNaught.

VICE-PRESIDENT:

Mr. W. L. A. Hanrahan.

SECRETARY:

Mr. W. M. Fleming.

COMMITTEE:

Miss Witherbe. Miss Scott.

Mr. F. S. Wilson.

Interested Parent:—"Is my son really trying enough?"

Mr. Grisdale:—"Well, I should say so! He is the most trying boy in the whole school."

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GENERAL BLACKSMITHING**

**Oxy - Acetylene
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BUILDING MATERIAL

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LUMBER CO. LIMITED**

Vermilion and Manville

"THE GLEE CLUB"

GREAT things from small beginnings grow. The Glee Club had a beginning -- it must have had -- but that beginning was so minute that it has not been isolated. The most rational explanation of its origin states that it was spontaneous, but in all probability the cultural media that fostered the growing germ were the rollicking songs that enlivened the stock-judging trips of the Sophomores.

From classic renderings of "Polly Wolly Doodle," we progressed by easy stages to "Gasoline Gus," but not until Anderson converted Mr. McIntyre's cane into a baton and turned our attention to composing and improvising, did our latent ability make rapid progress.

Our first public appearance was staged in the Royal George Theatre, when, during the intermission in an entertainment, the Sophomores delighted the audience by singing with feeling that touching little ditty:

"The freshman has tuberculosis,
The freshman has only one lung;
Bring back, bring back,
Oh! bring back the freshman's one lung."

Our sincere thanks are due to Dr. Talbot for being the indirect means of suggesting the scientific names of various attributed freshman ailments, such as, simple ophthalmia, that blend words of wisdom with the charm of music in the ears of the acquisitive freshman.

Nothing succeeds like success. The freshmen by virtue of imitation discovered that they too possessed the charms of Orpheus, and clamored for recognition, till on the special

car at Christmas, they amply demonstrated their ability.

After New Year's, co-operation produced the organization of the Glee Club with Ben Anderson as president, and N. A. Clark as secretary. Quarter-Master Sergeant Brimacone was secured as an instructor and regular practices are held every Thursday afternoon.

"O! Canada" formed the first study, but we soon were advanced to "Sweet and Low." When this became too soporific, we were given as an antidote "Hail! Smiling Morn."

Enthusiasm and musical ability have at length produced an organization worthy of the name of "Glee Club."

:: MILITARY ::

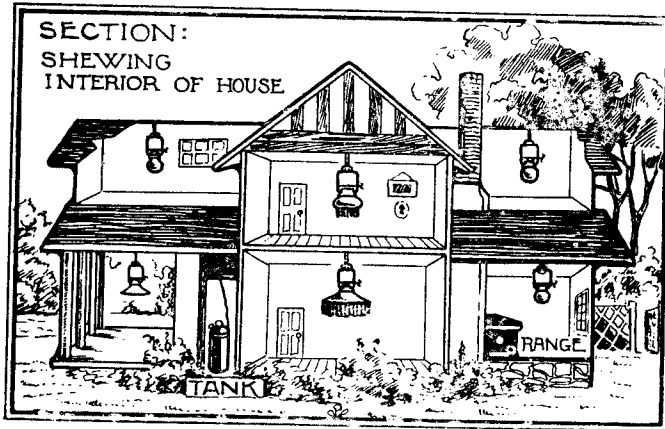
THE necessity of physical exercise for the student is generally understood. The man who shuts himself away and applies himself only to books grows slack and listless. Perhaps nowhere is this more emphasized than at the Agricultural Schools, where the majority of the men are engaged in active outdoor work during the summer, and spend the five winter months as students.

At Vermilion, as in almost every school and college throughout the British Empire, since the war began, the purely physical training has been combined with military drill. This is optional, but the students recognize the importance both of the physical development and also the advantage of some training in these troubled times.

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MOORE LIGHT

THE WORLD'S BEST



Moore Light is the world's best light
Our light costs less with Moore light
Our pleasures come with more delight
Readily can we work with all our might
Everywhere where there is Moore Light

MOORE LIGHT

Lessens our work and makes it light
In every place it gives delight
Gladly do we go home at night
Home is the place that is ever bright
Thanks to the rays of Moore Light

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Without exception, all the men turn out for the hour-and-a-half drill on Saturday mornings in the Assembly Hall.

Under the direction of Mr. Hopkins, squad drill was commenced the first week in November, and a great improvement in smartness soon appeared. Rifle drill was added in December, and since Christmas, firing parties under Acting-Captain McNaught, practised target shooting in the basement. Although the lighting is not good, some excellent scores have been made, and in the matches that have been arranged with the Vermilion High School Cadets, this school is confident of giving a good account of itself. A valuable knife was offered by Nellis & Law, hardware merchants, for the highest score in the first round. This was won by N. A. Clark.

Squads for drill and physical exercise under various leaders have been organized for Saturday afternoons, and, we believe, will do much to develop smartness, efficiency, and erect carriage in the students.

: ATHLETICS :

OWING to weather conditions, the annual field meet had to be indefinitely postponed, but we hope to see this important event carried through before the end of the term. Should the meet take place, competition is sure to be keen, as there are some promising athletes amongst the Freshmen, while the ability of the Seniors in field and track events is shown by

their winning six of the nine events last season.

The popularity of the gymnasium is evidenced by the fact that, at the beginning of the term, an entirely new outfit had to be purchased.

The manly art of boxing is much practised, and many interesting bouts are witnessed, the speed and craft of some of the exponents being little short of championship class. The exhibitions at the punching bag remind one of past masters of the game, more especially when our Science Professor feels the need of a little exercise.

Owing to lack of suitable space, wrestling had to be abandoned. This robbed many followers of the grappling art of their favorite sport.

Rope climbing, however, is much indulged in.

-- HOCKEY --

THE opening of the hockey season this year found only one of last year's team on the V.S.A. line-up. The rest of the boys did not come back, but their places have been satisfactorily filled by freshmen and some of last year's promising players.

The afternoon of January 15th found the boys in maroon and green lined up against their old opponents, the High School, on the campus rink. Although the visitors worked hard from the puck off to the last bell, the game went to the college, with a score of five to one. It was the first game this season for both teams, and neither were in proper form. Nevertheless, by their superior combination play, the maroon

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ISLAY P.O., ALBERTA

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Ten Miles East of Vermilion

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and green team kept the puck in their opponents' territory most of the time.

Two weeks later the V.S.A. and High School teams again met in a closely contested match, resulting in a score of 7 to 5 in favor of the farmers. The visitors had made some changes in their team, and came up prepared to make a hard fight for victory. From the drop of the puck one could see that this was to be a faster game than the first. The game was played in three 20 minute periods, and up to the last period the college kept the score well in their favor. With the score 5 to 2 against them, the High School came on to the ice in the last period determined to do their best, and by repeated rushes tied the score in the first ten minutes. This made the maroon and green team work all the harder, and after bringing the puck up several times, Wilson, by excellent shooting, managed to beat the goal-keeper twice, making the score 7 to 5. From then on, play was close, but no scoring was done. This was the fastest and most exciting game played this year, and showed marked improvement in both teams.

The following Saturday the V.S.A. team met a picked team of town boys, and a fast game resulted in a score of 2 to 1 in favor of the college. The game was not as close as the score would indicate, the puck being kept in the visitors' territory most of the time. A bigger score in favor of the collegians was prevented only by the excellent defence of their opponents. The V.S.A. line-up in each of these games was as follows:—Lawson, goal; James, point; Anderson, cover; Gray, rover; Wilson, centre; Hanson, left; Clarke, right. Referee, Mr. Hopkins.

"I OUGHT TO STUDY"

The shades of eve were falling fast,
Along a street down town there passed,
A youth who had no business out,
Who is behind his class, no doubt,
And ought to study.

On Monday eve the picture show
Appealed so much he had to go,
Although he knew he had no right
To leave his work on Monday night,
But ought to study.

On Tuesday night to League he went,
His mind on girls than League more bent,
A maiden fair he hoped to see,
Although he knew he ought to be
At home at study.

An opera came on Wednesday,
The girl desired to see the play,
And straightway he permission sought
To go, although he felt he ought
To stay and study.

At home again at twelve o'clock,
He sets his old alarm clock,
Five-thirty sharp he must arise,
And in his dreams that night he sighs,
"I've got to study."

There in the morning cold and grey
All snugly in his bed he lay,
When lo! there came a startling noise,
But he slept on like other boys,
And didn't study.

On Friday night a social dance
Gave him not even a moment's glance
At books and work he should have done,
But had neglected, to have fun
When he should study.

The week sped onward to its close,
The habit still upon him grows.
That night, by rule, from work was free;
"To night, I needn't work," said he,
"We needn't study."

Thus onward through the term he goes,
Has nothing done, and all he knows
Is what perchance in memory sticks,
But fickle memory will play tricks
If we don't study.

His friends have left him far behind
When Easter brings exams he finds;
The girl decides to change her mind,
A worker, not a drone to find,
But one who studies.

For when examinations come,
He goes and bothers every chum;
He tries to cram, but finds too late
That failure is his certain fate.
Success will only on those wait
Who always study.

CREAM

is one of the most profitable products you can sell. It takes no fertility from your farm. Its by-product, skim milk, yields profitable pork, eggs and poultry, and fine calves. It is easy and inexpensive to market, and brings in ready money every month in the year.

We pay express on cream from stations in Central and Northern Alberta. Write us for detailed information.

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Reduce Your Cost of Living

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Even without considering the advantage of our fresh clean stock, the actual saving should give you sufficient reason for doing so.

The Best Quality at the Best Price

O. BAKER & SON

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- INITIATION -

THE custom of initiating newcomers, when they enter secondary schools or colleges, is almost as old as are seats of learning where students collect in large numbers each year to begin an educational course of one or more year's duration. Some of the incidents which have transpired at these ceremonies make subject matter for very interesting tales. Others, we are sorry to say, are almost gruesome, and these are altogether too numerous.

Owing to the tendency of sophomores, particularly in larger institutions, to carry their pranks to a stage which, to the freshman, is a most obnoxious form of hazing, these ceremonies very often culminate in free fights without respect for either persons or property. Unnecessary destruction, broken limbs, and even loss of life have followed, with the result that initiation, or any form of hazing, has been positively prohibited in some institutions.

Initiation is, however, not without its virtues, and we are glad to say the Schools of Agriculture recognize these, and the sophomores are permitted to indulge in the ancient custom, as long as they pursue a course within reason. New students look forward to initiation with expectation, and that feeling may be satisfied, and one of good fellowship established which ushers the freshmen into the spirit of the school, by initiation without the objectionable features.

The excellent feeling prevailing in the student body as a whole in

Vermilion, is a tribute to the spirit of the sophomores in planning their initiatory program. The carrying out of this asserted their air of sophisticated importance to their own apparent satisfaction, and, at the same time, impressed the freshmen with the obvious fact that, should they choose, they are at any time equal to the occasion, despite the premeditated organization of their bigoted superiors.

On Thursday afternoon, Nov. 18th, the "sopha," divested of all unnecessary clothing, armed with countless sashes, and an unending supply of stout rope, and assisted by an ancient mare of unquestioned reliability, began operations. The freshmen found themselves corralled in small numbers in various classrooms for some unknown reason, which they learned when escorted to the basement, where they were stood along the wall with their hands bound behind their backs. They were then marched outside in single file, and slid on to a long rope like beads on a string, the rope being securely fastened around the last man. Three were left off the rope. One of these, suitably attired, rode the mare which was in charge of the other end of the rope. The two others, also decorated, acted as pages, to direct the beast and her strange assortment through the streets of the town. Several banners, borne by the freshmen, and carrying inscriptions such as, "I want my Mamma," etc., completed the procession.

All went well until one, then two, and then more, broke the ranks and escaped into the brush. Quick thinking and quicker application soon replaced these, and the mob proceeded and soon was lost to

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with a guarantee.

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LTD.**

WHOLESALE DISTRIBUTORS
WINNIPEG : : MANITOBA

General CRAIG BROTHERS Merchants

SELLING AGENTS FOR

PURITY FLOUR STETSON HATS
INVICTUS SHOES 20TH CENTURY CLOTHING

Give us a call. We are at your service.

CRAIG'S DEPARTMENTAL STORE
VERMILION ALBERTA

.. W. R. WIEBE ..

Manufacturer of Marquis Flour

GRISTING AND FEED GRINDING

... A SPECIALTY ...

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THE A. S. A. MAGAZINE

view.

In the evening the freshmen were arraigned before a sober and very just (?) sophomore judge. After a brief trial, the judge, in a very eloquent address, imposed a sentence, two clauses of which follow. First—Freshmen must wear a green ribbon in the left lapel of the coat. Second—Freshmen must part their hair on the side. The ribbons were then pinned on, and the court adjourned. A social evening and refreshments concluded the eventful afternoon's program.

After-effects, such as moving barber shops, free hair cuts, etc., would furnish material for interesting reading in another article.

- Y. M. C. A. -

The Students' Y.M.C.A. was re-organized in November, when Mr. M. W. Harlow, Secretary of the Inter-collegiate Y.M.C.A. in Edmonton, visited the school and gave an interesting address on Y.M.C.A. work, including Mr. Taylor Statton's Canadian Standard Efficiency Tests and Four-fold Development.

At the close of this meeting an election of officers to form an Executive Committee took place, resulting as follows:

HON. PRESIDENT

Mr. F. S. Grisdale, B.S.A.

PRESIDENT

N. A. Clark.

VICE-PRESIDENT

S. Barnes.

SEC. - TREAS.

W. M. Fleming.

NEW STUDENTS AND MEMBERSHIP COMMITTEE

F. S. Wilson. N. Howes.
J. Meagher.

MEETINGS COMMITTEE

B. Anderson. G. M. Williams.

STAFF REPRESENTATIVE

Mr. G. L. Shanks.

The same evening this Executive Committee met Mr. Harlow, who suggested a course of action which the Committee should follow.

This Committee, known as the "Inner Circle," meets regularly every Sunday afternoon in the Presbyterian Church and discusses subjects dealing chiefly with college life, using as a guide, the book "Students' Standards of Action," by Elliott and Cutler.

In addition, general meetings, to which all students are invited, are held every Tuesday at 4:15, when prominent men from the town deliver addresses on such subjects as: "Personal Influence," "Value of a Purpose," "Substitutes for the Bar-room," "Clean Speech, Clean Living, Clean Athletics," etc.

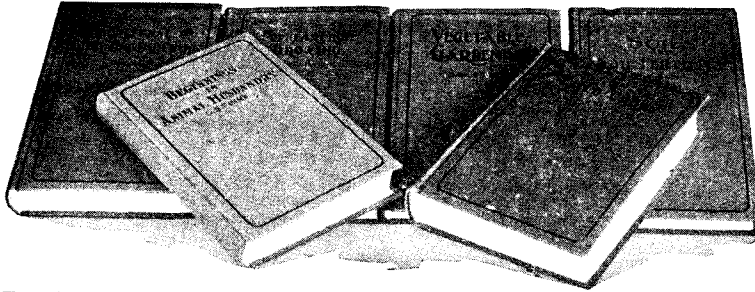
These meetings have always been very well attended and bid fair to increase in favor. The speakers are limited to twenty minutes, after which a short time is allowed for discussion.

The aim of the Executive has been to keep in touch with the student body, and to be of as much assistance as possible, particularly regarding school work.

It has not been possible to progress as far as some would like, but a great deal has been accomplished in that the Y.M.C.A. has been placed on a thorough working basis for future years.

THE A. S. A. MAGAZINE

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THE A. S. A. MAGAZINE

1915-16 Students Vermilion School of Agriculture

SOPHOMORE MEN

Ander-on, Ben, Tofield	Gracey, Frank L., Edmonton
Connelly, Fred, Vermilion	Gray, J. W., Tofield
Craige, Lacey Lorne, Dewberry	Howes, Nathan, Millet
Clarke, Norman A., University of Alberta	Lawson, J. W., Meeting Creek
Eyben, Frank, Cummings	McNaught, Sam, Strathmore
Eyben, John, "	Moore, Glen, Jarrow
Fleming, Wm. Melvin, Sedgewick	Rozmahel, J., Wavy Lake
Gares, Harold, Gilpin	Scott, W. S. Warwick

FIRST YEAR MEN

Barnes, Syd., Blackfoot	James, Gordon, Edmonton
Bell, I. J., Vermilion	Lucas, Noble, Wetaskiwin
Bell, G. A., "	Meagher, J. E., Yonker
Booth, T. R., "	Manski, Hans, Macklin
Bryant, L. W., Fort Saskatchewan	Mallough, W., Stainsleigh
Clark, J. G., Clark Manor	Minns, J. H., Athabasca
Dunlop, Ralph, Calmar	Martin, J., Strathmore
Gibson, Allan, Excelsior	Scott, Castle, Warwick
Hall, Stanley, Strathcona	Slater, Herbert, Lloydminster
Hanrahan, Wm. L., Edmonton	Wilson, F. S., Edmonton
Hanson, J., Camrose	Wilson, McKinley, Dewberry
Hanson, Wm., Innisfree	Williams, G. M., Bon Accord
Hawkins, W., Strome	Williams, B. E., "

SOPHOMORE GIRLS

Gares, Alice, Gilpin	Gilmour, Mrs. H. J., Vermilion
Witherbe, Beth, Vermilion	

FIRST YEAR GIRLS

Bush, Helen M., Stainsleigh	Giles, Daisy, Vermilion
Connelly, Rose, Vermilion	Hadley, Marion, Vermilion
Christopherson, Clara, Weldon, Sask.	Kronberg, Marianne, Colinton
Drysdale, Lorna, Hindsville	Parson, Alene M., Wellsdale
Gardiner, Violet, Irwinville	Parsons, Mrs. Elizabeth, Holborn
	Scott, Bernice, South Edmonton

Science Apparatus

THE CLOSING OF CERTAIN MARKETS has not necessitated any inconveniences whatever to our customers. Our own workshop, manned by experienced mechanics, is producing Apparatus of a character equal to the highest requirements, and our importations are for the most part **British-made**.

We handle extensively "Pye's" and "Cusson's" British-made Apparatus, products which are undoubtedly of the first rank.

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THE A. S. A. MAGAZINE

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Are you doing your duty towards them?

The VETERINARY REMEDIES we carry are
guaranteed lines of merit, including
"ELKAYS," "INTERNATIONAL," and "PRATTS."

THE
REXALL

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THE A. S. A. MAGAZINE

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**EDMONTON VERMILION VEGREVILLE LAVOY INNISFREE
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The Claresholm School of Agriculture
was built for the farmers' sons and
daughters of Southern Alberta

A.S.A. MAGAZINE

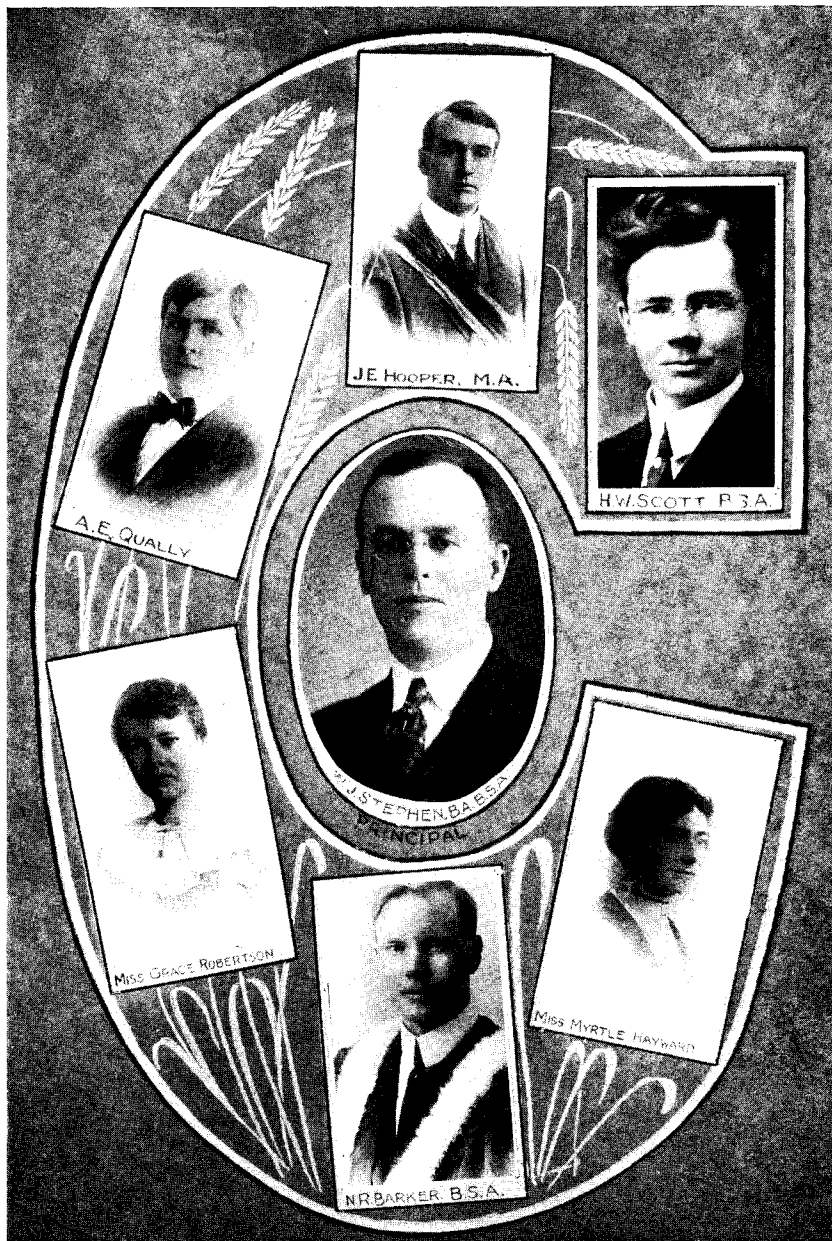


Claresholm Magazine Staff

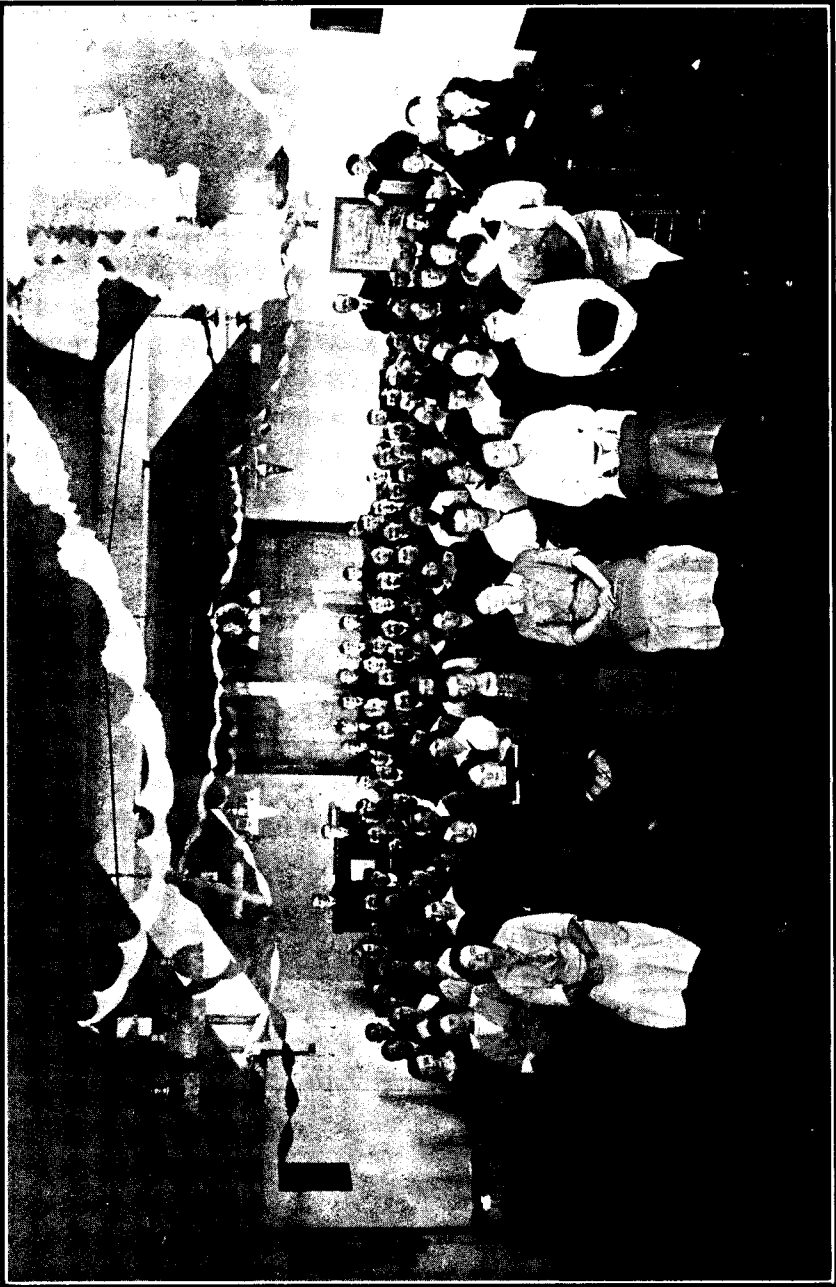
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Business Manager	- - -	J. E. STRAUGHAN
Staff Representative	- - -	W. R. BARKER, B.S.A.
Secretary-Treasurer	- - -	MISS E. BLACKWOOD
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Social	- - -	MISS M. MOIR; MISS FLORA MORRISON
Athletic	- - -	JAS. MITCHELL; D. HUMMON



CLARESHOLM SCHOOL OF AGRICULTURE STAFF



STUDENTS AND STAFF, CLARESHOLM SCHOOL OF AGRICULTURE

: C. S. A. Honor Roll :

Students and Ex-Students of this School who have
offered their services in defence of the Empire

E. H. Buckingham, Claresholm
J. Walker, Lethbridge
J. Jamieson, Calgary
H. J. Hirsch, Claresholm

A. J. Middleton, Coleridge
J. McDonald, DeWinton
R. G. McLean, Macleod
W. Porter, Grassy Lake

: C. S. A. ORCHESTRA :

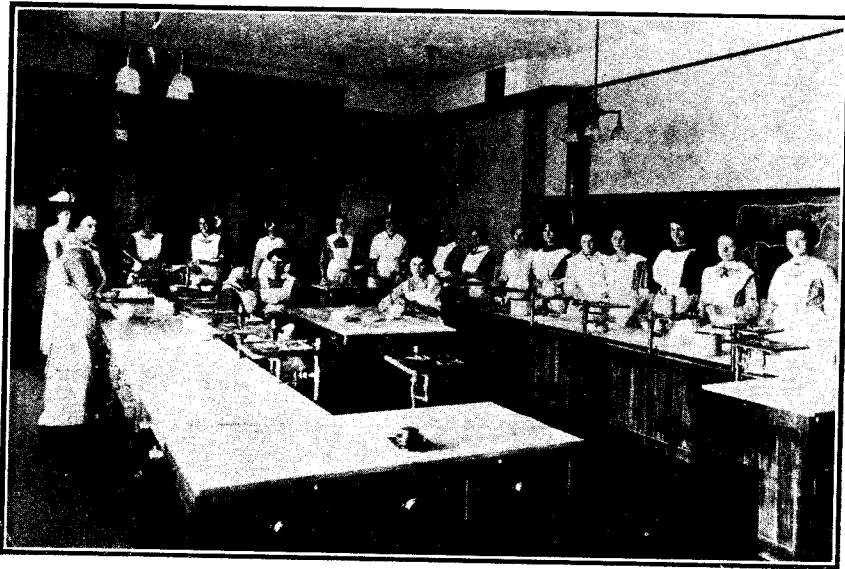


MEMBERS OF ORCHESTRA

Rena Stafford, Piano
W. Clark, Violin
T. A. Sundal, Clarionet

S. Henderson, Cornet
M. Hansen, Cornet
E. Erickson, Cello

THE A. S. A. MAGAZINE



CLASS IN DOMESTIC SCIENCE, CLARESHOLM

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President	J. E. STRAUGHAN
Vice-President	MISS E. WALSH
Secretary-Treasurer	MISS E. BLACKWOOD

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President 2nd Year Boys	D. HUMMON
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Literary Representative	T. A. SUNDAL

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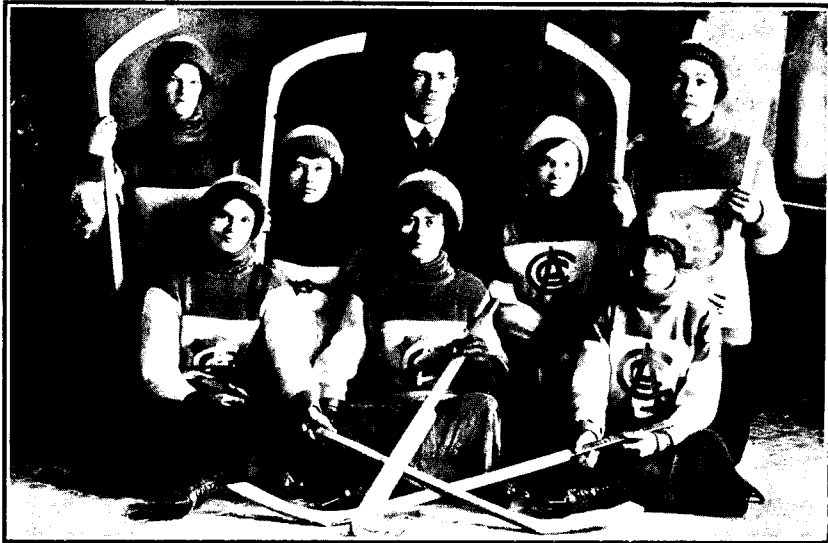
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2nd Year Boys Rep. ...	W. Clark
1st Year Girls Rep. ...	Miss Scott
1st Year Boys Rep. ...	Jas. Mitchell

Athletic Association

Hon. President	A. E. Qually
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Secretary-Treasurer	D. Hummon

EXECUTIVE COMMITTEE

2nd Year Girls Rep. ...	Miss Porter
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1st Year Girls Rep. ...	Miss E. Walsh
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GIRLS' HOCKEY TEAM, CLARESHOLM
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 G. ROBERTSON, H. WICKSON
 M. STRAUGHAN, Captain, R. WHITEHEAD, M. MOIR



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 H. W. SCOTT, Manager
 C. H. CYR, R. WALKER, Captain, D. HUMMON, M. NORTON
 ROY NEILSON, G. STRAUGHAN, J. E. STRAUGHAN



CLASS IN SEWING, CLARESHOLM



CLASS IN NURSING, CLARESHOLM

SOPHOMORE CLASS '16, CLARESHOLM S. A.

As Business Manager of the Claresholm section of this Magazine, I have done splendid work in soliciting advertising. I used to be short—when I was about two years old. Since then I have grown to be a tall man. Hockey is my favorite sport, and sometimes I can play a good game. People say I am timid, but it's a mistake; you ought to see me at times. That's right, I am popular with the ladies.

JOS. E. STRAUGHAN.

* * * *

I love to take Domestic Science, as the teacher compels the students to sample the delicious pies, cakes and puddings, and I don't mind saying it, but I am very fond of these. Really it is too bad the term is so short. You know, I could study in the kitchen all day and not mind it a bit. Well, as it is time for lunch, must close.

CAROLINE MALCHOW.

* * * *

I am not going to say very much about myself, as you should know me by this time. I am rather good at hockey and helped to win a game once. I am a good debater, and you must admit that I say what I please, when I please, and I don't care who hears it. I really never knew how much one had to know in order to know how little one actually knew. Oh! yes, I am a student of the C.S.A., and my name is

DERAL HUMMON.

* * * *

I'm just crazy about hockey; in fact, I would sooner play it than eat. There are two girls from our family attending college, but you will know me, as I am more talkative than my sister. I am a good student, as I am actually smart, and this gives me lots of time for fun. Oh! I nearly forgot; my name is

MABEL STRAUGHAN.

* * * *

What will be left of the college when I leave won't amount to much. It appears they want jokes about a fellow; well, if that is the case, I am through with the whole business, as I am no joke. Listen! I'm a member of the 1916 Sophs, and that's enough said. Life is too short to bother with such small things. My name? You're right, it's

CECIL TAPP.



SOPHOMORE CLASS '16. CLARESHOLM S. A.



Space does not permit of my doing justice to this write-up, as they expect too much of me. The teachers have only one objection to my work—it is too near perfect. I desire to be an honor pupil, and this is the reason I put so much time in studying. They say I am rather quiet, and I guess maybe they are right. My policy is to attend to my own affairs, and others can have their troubles to themselves. Don't forget the name, please.

KARL DOLE.

* * * *



Blackie is my nickname and I rather like it. I am a member of the famous "We Seven," and surely you know who they are. I am fond of school and very, very studious, still I like fun, and always find time to attend all the college social evenings. I am the Secretary of the student body, and the watch-dog of their treasury.

EFFIE BLACKWOOD.

* * * *



It makes me dog-goned mad when they expect a fellow like me to write all about himself, and give him such little space to do it with. I am such a fine jolly fellow and have lots of fun in school. I always get my lessons—sometimes. In classes I do not talk much—there's a reason—but when they are over, nothing like a good joke.

CLARENCE DAVIS.

* * * *



I'm the girl that everybody likes. I believe in taking both people and things just about as I find them. Though I have the reputation of being extremely quiet, yet when with my friends I have not the slightest difficulty in holding my own in the conversation. I am a good student and the teachers all like me.

MARY JACKSON.

* * * *



Just give me plenty of time to tell my little story; it is not a long one, but an important one. I had a good reason for attending college, and some day you will know it. I am a hard worker when necessity demands, and sometimes necessity and myself do not agree on this point. I thank you for your attention. My name is Mr.

WALTER NIELSON.

SOPHOMORE CLASS '16, CLARESHOLM S. A.

The Sophomores could not exist without me as one of the members, and this is the reason why I belong. I am a jolly kind of a girl and always like fun. I attend all the social functions of the college, and don't mind dancing a bit. I never was known to look at the boys, but—let's see, what! is this Leap Year?

FLORA MORRISON.

* * * *

If I was not just as I am, I would be different. Anyway this is me, and it is not necessary to say any more. I am a very industrious student—oh, yes! forgot to mention the swell time we had at the college the other night. Seldom do I miss a question, unless it is a hard one. I don't ever expect to set the world on fire, but people may hear from me yet; my name is

GEO. E. BAILEY.

* * * *

This is the year I graduate, and I have taken this method of announcing it. Oh, yes! I am a dandy student and usually attend classes—that is, if there was no dance the night before. Speaking of dancing, I always enjoy a hop. Lately I have been very quiet, as my studies have taken up part of the time. Believe me, I am one of the seven.

MABEL MAXWELL.

* * * *

I'm the guy that's playing with the C.S.A. hockey team, and surely you knew that. Otherwise I am very modest, and usually keep myself in the background. I am interested in things outside of school, and therefore leave early. Yes, I'm one of the Sophomores, but keep it to yourself. Don't let my first name deceive you.

GOLDIE STRAUGHAN.

* * * *

I decided, when I found out we had to write about ourselves, to write about my future instead of my past, for I certainly have changed. You will soon hear of me as one of the best farmers in the Province. Believe me, I went to college to learn, and I got what I was after. It is very seldom they catch me watching the girls, still occasionally I do look that way.

JOHN MORRISON.



SOPHOMORE CLASS '16. CLARESHOLM S. A.



Unfortunately I quit before the term was out and I regret it very much. I am very much interested in farming and especially live stock. Pardon me, but this does not include milking cows. That's one job I—well, somebody else can do it. I hope some day to become a scientific agriculturist.

DEAN CAMPBELL.

* * * *



By the sound of my name you will know I am serious. I tell you, once is enough. It is my ambition and enthusiasm that keep the Sophomores together. Without me the sponge would have been in the air long ago. School is a pleasure to me, as I devote much of my time to the skating and dancing parties. It would be hard to find a more agreeable friend than

CLARENCE CYR.

* * * *



I am seldom seen unless studying. I am seldom heard unless reciting. I have but one purpose in life, and that is to become a scientific agriculturist. I study the work on my farm during the summer, and hope some day to become an expert. True, it is lonesome at times, but have patience. Leap Year has ten months ahead of it yet. I should worry!

H. T. HARRIS.

* * * *



My greatest pleasure in school is to sit back and laugh at other people's blunders. I never make any myself. I know my lessons perfectly well when others are reciting, but when it comes around to me I always seem to get the wrong question. I always have a good time, and if I don't it is my own fault.

WILLIAM EDEY.

* * * *



I hope to become one of the best farmers in the Province, as that was my reason in attending college. I am small, but handsome, and a pretty fine sort of a fellow. No, I was afraid of Leap Year, but so far the girls have left me alone; however, I never get discouraged. Though I am physically small I'm mentally tall, and thereby hangs the tale of my being a Sophomore.

WILHELM RUSHFELDT.

SOPHOMORE CLASS '16, CLARESHOLM S. A.

I am one of those peculiar fellows who play hockey, and the C.S.A. team could not get along without me. I have decided not to be at the head of my class, although the teachers say that I am bright enough if I would only study harder. But then life's too short, and I should worry!

LEROY NIELSON.

* * * *

Yes, I belong to the Sophomore class of 1916, and it is not my fault either. I am a good student, as I always study my lessons—that is, just before examinations. Have heard it remarked that my face might be my fortune. It certainly is now.

O. J. RUSHFELDT.

* * * *

I am musically inclined and play first violin in the orchestra. It is very unfortunate for the orchestra that I graduate this year. I always mind my own business, and am well liked by everybody. Dancing is my favorite pastime, and I am very fond of it.

WALTER CLARK.

* * * *

I am not as quiet and modest as I look. Sometimes pictures deceive you. It takes too much space to tell my reasons for attending college, but here's one on the side: I'm after more education. You watch my smoke in the future. I am a hard worker, and my duties in that capacity have kept me from doing all the things in school that my ability warrants.

THOMAS LONG.

* * * *

For the land's sake don't take me for a Sophomore, as I am not guilty. I am a regular attendant at college, not as a student, but as the Private Secretary to the Principal. I'm the official letter writer, both business and otherwise. My specialty is sampling the dainties from the kitchen, and considering the satisfactory results achieved, I may decide to take the course. Perhaps you can guess my name is

MABEL MOIR.



If you want the Standard Text Book on Judging Live Stock
SEND FOR
“Craig’s Judging Live Stock”

This book is used in **140 of the Leading Colleges and Universities** of Canada and the United States, and is bought by tens of thousands of leading stock men and farmers of both countries. It is known to be

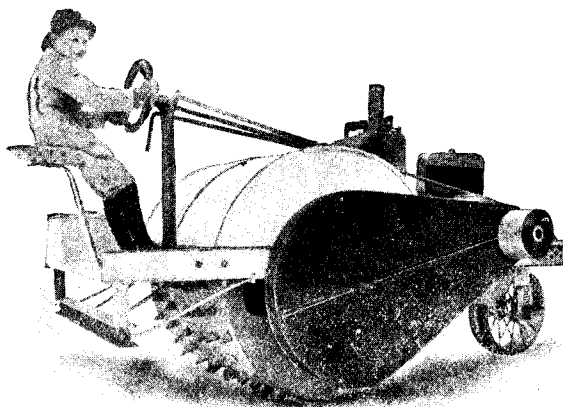
The ‘Last Word’ in the Judging of Live Stock

The book contains some 600 pages and has over 200 colored illustrations of Standard Animals. It is in its 25th edition—sure proof of its great value.

Price of this volume bound in full silk cloth, page $5\frac{1}{2}$ x $8\frac{1}{2}$, \$1.63, sent by mail postpaid.

Address—**THE KENYON COMPANY, Publishers, Des Moines, Iowa.**

**The . . .
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Tractor**



The Doone Steel Tractor is especially designed for general daily farm use on the road or in the field where the utmost in power and efficiency is required. It is built in three sizes, to pull two, three and four 14 in. plows, with a reserve of power to work satisfactorily and economically under varying conditions. The DOONE is equipped with two and three speed transmission. An exclusive feature of the Doone is its spiral spring mounting, absorbing shocks and jars and increasing its life three times over that of the ordinary tractor. For **SEEDING** and **DISCING** it has no equal. Write for our illustrated catalogue.

The North American Machinery Company, 7 Higgins Ave., Winnipeg, Man.
LIVE AGENTS WANTED

When answering advertisements kindly mention the A.S.A. Magazine.

SOPHOMORE CLASS '16. CLARESHOLM S. A.

I'm sorry you can't see a picture of me. However, I'll tell you something about myself. I'm very, very quiet in school, but I possess a sort of wireless contrivance by which I manage to transmit fun to the rest of the students. My disposition is just as perfect as my complexion, and I am up-to-date in every way. Studies never bother me, except at the time of examinations. I am known as **MINIE LEPARD.**

* * * *

Owing to reasons which I do not like to publish, I left for home before the end of the term. Studying never did seem to be my line, still I was a faithful member of the 1916 Sophs. Somehow the college dances appealed to me, and therefore I was a regular attendant. **L. W. COOMBS.**

WORTHY APPRECIATION

The day of drudgery both in the home and on the farm is past, and has been replaced by scientific methods. These methods have been very ably taught by the Staff of the Claresholm School of Agriculture, and we have greatly benefitted by their untiring efforts. As the class of 1916 leaves it carries away with it many happy memories of the pleasant and profitable weeks spent here.

OUR FAITHFUL JOHN

John is the boy who keeps the school hot,
If it wasn't for him we would freeze on the spot,
He is there in the morning till late in the night,
Keeping the classrooms all spotless and bright.

When handling the broom, you would say he is keen,
Anxiously working to keep the place clean,
John is a favorite, well liked by us guys,
His genial manner would sure take the prize.

To clean up the school is not all John can do,
As during a dance he puts on a light shoe,
The girls all dance with him without any fear,
It is lucky for them that this is Leap Year.

At initiation when there is always a fight,
Our John is right there and you should see the sight,
He gets on the job to help make a success,
And after it's over he cleans up the mess.

TREES! THAT HOME OF YOURS NEEDS **TREES!**
TREES FOR SHELTER

Every Farmer in Alberta can grow all the CRABS he needs, and many of them the APPLES. It only wants a trial. We can supply the Trees, *guaranteed Grafted and Grown at Coaldale.* Special Terms to home makers this year. *Write us.*



YOUNG APPLE TREES ROOT-GRAFTED. COALDALE. 1915

The A. Mitchell Nursery Co. Ltd. COALDALE,
ALBERTA.

THE
Claresholm Pharmacy

Is the Place to Buy Your

NOTE BOOKS, SCRIBBLERS, PENCILS, Etc.

A Full Line of STATIONERY, POST CARDS,
KODAKS . . . and . . . SUPPLIES

DRUGS . . . CHOCOLATES . . . CANDIES
always on hand

O. L. REINECKE . . . Proprietor

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Planting and Care of Windbreaks

A WINDBREAK or shelter belt consists of a block of trees in rows, planted on the sides which face prevailing winds, for the purposes of providing shelter to farm buildings, of conserving moisture by holding snow and preventing evaporation, of raising the value of property, and, finally, to help make a home. Windbreaks usually consist of about six rows, as many as sixteen being sometimes used. These may not be planted all at once, but gradually, as the farmer's means will allow.

Proper preparation of the land is the first essential of successful tree growing. The best land is, of course, a first-class summer fallow, but well cultivated potato or garden land makes an excellent preparation also.

Care should be taken in the selection of the trees. Only those suited to a locality should be chosen. Native Alberta Cottonwood and the Russian Willows are quite hardy. If Russian Poplar is used, it should be planted in the interior of the belt, to make it safer from stem and root disease, and to make it live longer. A plantation should consist of half Maple, even if it freezes to the ground every winter in a locality. Maple gives a dense shade, and keeps the ground cool and moist for the benefit of better trees. In this country, if Maple is not used, cultivation will need to continue longer. In the Maple rows, every sixth tree may be an Ash or Elm, or, if the belt is wide enough, whole rows of these may be used.

Trees should be planted in the

spring, though the plants may be purchased the previous fall, and heeled in. This simply means digging a trench with one side sloping to the top, and spreading out the trees in it, the roots at the bottom, and the tops lying up the sloping side, and then covering the whole in earth tramped firm. The roots are banked deeply, the tops shallower.

The distance apart that the plants should be placed is a disputed point, but three or four feet apart in the row, with rows four to five feet apart, is usually about right. This encourages rapid growth and shades the ground quicker, thus shortening the work of cultivation. The first row should be placed six to eight feet from the fence, in order that proper cultivation may be readily accomplished, and a deep furrow, sharp side to the fence, should be run as close to the fence as possible, to prevent the encroachments of grass. This is most important, since grass, once in a plantation, is very hard to get rid of, and if left unchecked will eventually ruin the plantation.

In planting, a deep furrow is plowed, and the plow run back through it. The trees are brought from where they are heeled in, in small lots as needed, the roots being first dipped in a stiff mixture of mud and water, to prevent drying out. Each tree is placed in the middle of the furrow, care being taken to prevent the roots from being cramped. Soil is then worked around the roots and tramped firm, the top two inches of soil left

THE A. S. A. MAGAZINE

**Where You are Sure to Suit Yourself
It Costs No More to Have The Best**

NEW : NIFTY : NEAT

Gents' Furnishings

UP-TO-THE-MINUTE DRY GOODS

FIRST-CLASS GROCERIES

JAS. CLARK CO., Claresholm

**THE GIFT THAT DOESN'T
REQUIRE AN OCCASION**

THAT IS ALWAYS TIMELY

YOUR PHOTOGRAPH

Make the appointment to-day
Children's Photos Our Specialty

We have also installed a large
Kodak Finishing Department.
We Develop Films, any size,
10c per roll; Prints 3c and up.

Mail Orders promptly attended to.
If you are dissatisfied with the re-
sults you are getting now try us for
better developing and printing.

THE CLARESHOLM

∴ ART STUDIO ∴

Claresholm

Alberta

HAVE YOUR
**WATCH AND JEWELRY
REPAIRING**

DONE HERE

First-Class Work Guaranteed

A NICE LOT OF

JEWELRY

Watches, Clocks, Etc.

ALWAYS ON HAND

Waterman's Ideal Fountain Pens

Have Your Broken Pens Repaired
by the Waterman Factory. We will
send them in for you.

YOURS FOR PROMPT SERVICE

G. M. GODLEY

JEWELER

CLARESHOLM

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loose for a mulch. The tree should be set two or three inches deeper than it stood in the nursery. Usually water need not be applied, since, if the soil is properly prepared, it will contain sufficient moisture. Trees only require one-third to one-half the moisture required for a grain crop.

It is not enough to merely plant trees. They must be taken care of. For the first few seasons it is absolutely necessary to cultivate, in order to kill weeds and to conserve moisture. This should be done every ten days to two weeks, at least. After the trees get well branched out cultivation will no longer be necessary, as they will shade the ground themselves. Care must be taken to cultivate the edges, and to keep the outside furrow sharp, in order to keep out grass.

Any farmer, by taking proper care at the beginning, and giving the necessary attention afterwards, may, in a surprisingly short time, be possessed of a plantation of which he may be justly proud, and the benefits of which he will appreciate more every year.

C. A. C. ORCHESTRA

This is the first year the College has had its own orchestra in attendance at the social affairs. The students have appreciated their services very much, and hope that in future years the C.A.C. Orchestra may be of as high quality as it has been this year, under the able leadership of T. A. Sundal.

Our Ten Commandments

1. Thou must get up in the morning so as to be at school by nine, otherwise thou mightest be late.

2. When thou art entering the agronomy room be sure and give the pass word, "Shut the door."

3. Thou shalt array thyself in a gray and blue uniform, adorned with a snow white apron, to which is attached a holder and a towel. Without these thy work in the kitchen shall be in vain.

4. When thou art using a hammer in Mechanics class, be sure and hit the nail and not thy thumb.

5. In starting a gasoline engine, thou shalt use gasoline in place of water.

6. Foot racing or noisy commotion is forbidden in the hallways during class periods, as thy neighbor may wish to learn something.

7. When working in the laundry wash thy neighbor's clothes as thou would thine own.

8. When thou art debating, keep both feet on the floor, as thy arguments may over-balance thee.

9. In the sewing room, when thou desirest to cut a thread, remember that the use of scissors is the most sanitary method, although the teeth may be handiest.

10. When thou leavest the college, filled with scientific knowledge, and when thou art asked for an opinion, if thou hast not thy notes, puff out thy chest and bluff.

WASH DIRTY, IMPURE
DAY RAIN WATER
TROUBLE FROM
WOOD SHINGLES

MEANS

HARD WORK

AND A

POOR WASHING

WASH CLEAR, PURE
DAY RAIN WATER
PLEASURE FROM
The "EASTLAKE"

MEANS

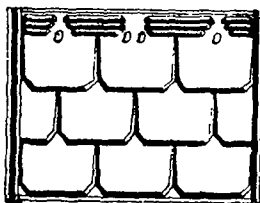
EASY WORK

AND A

GOOD WASHING

A
LIFETIME
OF
PROTECTION
AGAINST
FIRE
LIGHTNING
and LEAKS

"EASTLAKE"
STEEL SHINGLE



GIVING
Perfect Service
ON EVERY ROOF
of the many thousands
IT NOW COVERS
and it
STARTED WORK
over
30 YEARS AGO

25% SAVING in LAYING THEM COMPARED WITH OTHERS

Just one good Side-lock and a 3-inch Safety Lap.

FINE BOLD PATTERN.

MAKES A HANDSOME ROOF.

OUR CORRUGATED SHEETS are recognized as superior to others. WE PRESS THEM DEEPER! and our RIDGE CAP and HIP CAP are **MADE TO FIT.**

BEAUTIFUL CEILING AND WALL DESIGNS

Ask for our New 1916 Series.

AVOIDS FALLING PLASTER AND UGLY WALL CRACKS.

Easily kept clean — Attractive — Easily applied.

IF POSSIBLE, send Sizes for Estimate. No Job too small for our best attention.

THE METALLIC ROOFING CO., Limited
Manufacturers 797 Notre Dame Ave. WINNIPEG

When answering advertisements kindly mention the A.S.A. Magazine.

: GROWING FODDER CORN :

By T. A. SUNDAL

THE abnormally large crop of the past season has placed agriculture at a critical stage. Every available foot of cultivated land was in crop, and on account of the busy times during the fall in handling the grain, very little land has been prepared for next year. Now, then, what will be the result? Will the land be held over to be summer-fallowed, or will it be cropped again in the spring? Will the farmers go back to the old principle of taking a chance, or will they stay by the better farming practices which the past years have taught them? The past has been a very severe teacher and therefore we know the majority will follow the better farming methods.

Corn growing has been developing rapidly in parts of Southern Alberta, and it has been very successful during the past four or five years. For fodder it can be grown with the same degree of success as the grain crops, and during a dry period you can produce fodder by careful cultivation, whereas the grain crops will be a total failure. This was well demonstrated in the Taber district during the dry season

of 1914, where corn yielded a fair amount of fodder, while practically no grain was produced. The summer-fallow requires frequent cultivations during the season, in order to destroy the weeds, and to keep the top mulch in shape to hold the moisture stored in the ground. Therefore it would be economy for the farmer to secure a crop of valuable fodder, the cost of labor being practically the same, and especially where it is so badly needed in order to follow mixed farming.

To make your corn land a substitute for the summer-fallow, spring plow your stubble land about April 25th. Previously cover the ground with eight or ten loads of manure per acre. Follow with the



CORN IN SOUTHERN ALBERTA

harrow immediately to form a mulch, and thereby hold the moisture which has been gathered from the winter's snow and spring rains. From May 10th to May 15th the corn can usually be planted, and the ordinary drill can be used by stopping up every four or five spouts, so as to sow in rows $3\frac{1}{2}$ feet wide. When the rows are visible, go over the ground with a slanting tooth har-



TRADE MARK REGISTERED U.S. AND CANADA

JOINTINE

Is a successful remedy for Joint Ill, Blood Poison and Leakage of the Navel in Colts, and Blood Poison in Distemper. As a general blood purifier it has no superior. Satisfaction guaranteed or money refunded. Jointine should be kept on hand, as it is harder to cure if not given in time. Put up in tablet form; easy to give; given internally. If your druggist does not keep it, order direct. Mailed to any country upon receipt of the price.

Price \$3 per Box

T. B. BOWMAN, BOONE, NEBR.

Below read a few Letters from prominent Horsemen who use Jointine

H. R. Smith, Professor of Animal Husbandry of the University of Minnesota, writes concerning the use of Jointine on the Glenwood Farm, at Addison, Mich.:

UNIVERSITY FARM

St. Paul, Minn., Nov. 16, 1914

T. B. Bowman, Boone, Nebr.

Dear Sir: Referring to your letter which came several days ago, for a statement concerning our experience with Jointine, I would answer as follows: A year ago last spring we had at the old farm in Michigan a valuable purebred Percheron colt which died of navel ill. My sister saw a notice concerning your remedy, Jointine, and procured several boxes. She reports since that time seven foals have had severe cases of navel ill, all of which have been cured with your remedy Jointine. We now give it to each colt as a precautionary measure. Yours very truly,

H. R. SMITH,

Professor of Animal Husbandry

PARAMOUNT FARM

Hudson, Ia., Oct. 16, 1914

Mr. T. B. Bowman

Dear Sir: I have used your Jointine with great success, and am recommending it to everyone that has made inquiry for a remedy for joint disease. I had our druggist here carry it in stock, and it has been a great benefit

in this community. I do not know of a single colt that has been lost that was treated with it. Respectfully yours,

WM. CROWOVER

Swift Current, Sask., Can., Ap. 23, '14
Mr. T. B. Bowman

Dear Sir: Am enclosing \$6 P.O. order for two boxes of Jointine. Have had good success with your medicine. Respectfully yours,

E. GUEST

GREGORY FARM

Whitehall, Ill., Nov. 17, 1914

T. B. Bowman, Boone, Nebr.

Dear Sir: Take pleasure in advising you that we have used your Jointine with extremely satisfactory success. Always keep it on hand. From 28 mares foaling this year we have so far raised 27 colts. Yours very truly,

W. S. CORSA

EMERY H. JOYE, Breeder & Exporter
from Vladslou, Dixmude, Belgium

Feb. 9, 1915

T. B. Bowman, Boone, Nebr.

I beg to say that we used the four boxes of Jointine you sent us last summer, on six colts, and we know it cured five of them entirely. As to the sixth - the colt was a long way from our place and when the war came on we haven't inquired any more. The Belgian Horse Breeders consider it a great medicine.

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CLASS IN GRAIN JUDGING, CLARESHOLM

row, then, when the corn stands four or five inches high, it is ready for the cultivator. Under Southern Alberta conditions it would be advisable to cultivate about five times during the season, or until the corn stands three feet high. As soon as the bottom leaf begins to turn brown it is then ready to be cut for fodder, and it can be stooked in the field, or put into a silo, which is the ideal way of handling fodder corn. By this method you have first-class summer-fallow ready for next year, and all that is required is a double discing in the spring to put it in shape for the drill.

Little Spots of Knowledge,
Little Puffs of Wit,
Make the Simple Freshmen
Think the Sophomore's it.

Listen! What's the Matter?

As the President of the student body strolled past the college one night, he was suddenly surprised to hear weird noises emerging from the assembly hall. Thinking probably the Freshmen had got mixed up with the sewing machines, he rushed down town for help, and was back in record time with a bunch of boys, ready to do anything for the honor of the college. Sh!—Sh! They noiselessly crept up the stairs—still the weird noises continued coming from above—they were quite prepared to find many mangled bodies strewn all over the floor. But behold! when the doors were parted, the panic-stricken boys discovered the Orchestra having its first practice.

YE
OLDE
FIRME

58

IN A PIANO

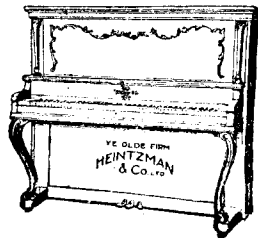
In a piano, perfect and indestructible tonal quality has been the goal towards which manufacturers have striven since the passing of the harpsichord. In the

Heintzman & Co. Art Piano

this goal has been attained.

It is a piano with a tone exquisite, rhythmic, the essence of delight to the senses, and a tone which will always live because it is protected by ingenious construction against the ravages of time. It is

The World's Best Piano



Have You a Victrola in Your Home?

FOR VICTROLAS AND RECORDS WRITE

YE OLDE FIRME

HEINTZMAN & CO., Ltd., 322 8th Ave. W.

CALGARY, ALTA.

When answering advertisements kindly mention the A.S.A. Magazine.

**LITERARY AND :
: SOCIAL EVENTS**

THE first event in the social life of the college took place on Friday evening, November 5th. This was in the form of a reception given by the staff for the purpose of "getting acquainted," which proved a veritable success. An excellent musical program was followed by games, and after a dainty lunch was served, the remainder of the evening was spent in dancing.

The following Saturday, being Field Day, the students assembled in the auditorium during the evening, and the prizes for the various events were awarded to the winners. Dancing then followed and everybody enjoyed a splendid time.

The next event was the opening dance, which the students had been looking forward to with much pleasure. The hall was tastefully decorated in purple and white, being the college colors, and this feature added much to the success of the evening. The music was furnished by Newton's Orchestra, of Macleod, and it simply was delightful. Besides the college students, a large number of outside guests were welcomed by a reception committee composed of Miss Hayward, Miss Blackwood, Mr. J. E. Straughan, and Prof. Hooper.

Light refreshments were served after which everybody went home happy from the dandy time they had enjoyed.

On Friday, December 17th, a dance was given by the Athletic Association, for the purpose of raising funds for the Hockey Rink.

A large crowd turned out and reported an excellent time. This was the first appearance of the College Orchestra, and the music proved very popular.

A very successful Leap Year dance was given on January 28th, by the young ladies, and they covered themselves with glory.

Although the weather was very cold, a large number of people were received, and the young men were the honor guests of the evening. Everything was handled by the girls, and the popular expression was "The best yet."

* * *

The Literary Society has been conducting Friday evening programs during the term. The most interesting part has been the debates, and one in particular, "Resolved that the women of Alberta should be given the franchise." Both sides presented exceptionally good arguments; however, the affirmative won the honors. Many other popular topics have been debated on by the students, and the information and practice gained should be very valuable to them.

During these programs musical selections have been rendered by the students, also by many talented artists from the town, and these numbers have certainly been appreciated very much. The C. A. C. students extend a hearty vote of thanks to those who have so kindly assisted at these entertainments.

A lecture was given by A. E. Otte- well, from the Department of Extension of the Alberta University, on Wednesday, Feb. 23, on the subject, "The First Year of the War." A large crowd attended and listened with interest to the discourse.

THE A. S. A. MAGAZINE

Sporting Goods Exclusively

Largest Stock in the West :: :: Best Values Obtainable

WRITE FOR ILLUSTRATED CATALOGUES

Baseball and Football : Tennis and Golf : Bicycles and Accessories
Fishing and Camping : Skating and Winter Sports : Athletic Goods
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: SPECIAL DISCOUNTS TO TEAMS OR COLLEGES :

Alex. Martin Sporting Goods Co.

Limited

231 EIGHTH AVENUE EAST, CALGARY



Let Nothing Hinder You

From doing your Trading at

The Leading Departmental Store

WE CARRY A FULL LINE OF
*General Dry Goods, Hats, Caps, Shoes, and Groceries, also
the Largest Stock of Crockery and China in the district.*

GIVE US A CALL

MARK FISHER, CLARESHOLM.

When answering advertisements kindly mention the A.S.A. Magazine.

: ATHLETICS :

THE second annual Field Day of the C.A.C. was held on Saturday, Nov 13th. This year the sports were held at the Agricultural School, only college students taking part.

The prizes were awarded on a scale of points, the champion athletes being S. McGinnis and A. Matlock, whose scores were equal, E. Hansen being second. The champion lady of the day was Miss Pope, with Miss Straughan a close second.

The weather was rather cool and frosty, but notwithstanding these drawbacks a very good Field Meet was held.

The day's activities were opened by a game of Association Football between the Sophomores and Freshmen, the result being a draw. This was followed by the events which appear below, with the respective winners in order of merit:—

Putting 16 lb. Shot, weight under 150 lbs.—1 E. Hansen, 2 Fredell, 3 Gorrill.

100 Yards Dash (Men)—1 Matlock, 2 McGinnis, 3 Gorrill.

Throwing the Hammer—1 Tigner, 2 R. Neilson, 3 E. Hansen.

Running Broad Jump—1 Fredell, 2 Gorrill, 3 McGinnis.

Throwing Baseball (Men)—1 M. Hansen, 2 Matlock, 3 Gorrill.

Baseball Throw (Ladies)—1 Miss Malchow, 2 Miss Wickson, 3 Miss Straughan.

Men's Relay Race—Won by first year team.

Ladies' 100 Yards Dash—1 Miss Pope, 2 Miss Stafford, 3 Miss Straughan.

Men's Tug of War—Won by first year.

Ladies' Tug of War—Won by second year.

Men's Half-mile Race—1 Severs, 2 E. Hansen

Ladies' Three-legged Race—1 Miss Pope and Miss Winkler, 2 Miss Stafford and Miss Porter, 3 Miss Blackwood and Miss Malchow.

Ladies' 50 Yards Dash—1 Miss Pope, 2 Miss Straughan, 3 Miss Blackwood.

Men's Hurdle Race—1 McGinnis, 2 Walker, 3 Matlock.

Men's Hop, Step and Jump—1 Matlock, 2 McGinnis, 3 Fredell.

Running High Jump—1 Walker, 2 McGinnis, 3 Hansen.

Ladies' Kicking Football—1 Miss Straughan, 2 Miss Stafford, 3 Miss Malchow.

Ladies' Relay Race—Won by first year.

The Judges of the day were—Miss Robertson, Mayor Holmes, Prof. Hooper and Mr. Steene, the starter being T. A. Sundal.

In the evening the prizes were presented to the winners, after which a very enjoyable time was spent in dancing.

* * *

This year a permanent skating rink has been built by the college boys, and it has filled a long-felt want. This improvement will be appreciated by the future students when the time comes to prepare the rink in the fall.

* * *

The C.A.C. has both a Ladies' and Men's hockey team, which are being ably managed by Prof. Scott, and we have no doubt that they will be winners, and that we may celebrate many victories during the term.

SEEDS

**RENNIE'S ALWAYS GROW---
THE FINEST IN THE LAND.**

Catalogue FREE.

Sold by best dealers.

WM. RENNIE CO. LIMITED
1138 HOMER STREET, VANCOUVER, B. C.
Also at Winnipeg, Toronto, Montreal



THEORY versus PRACTICE

For years past, while the boy was absorbing the theories of Soil Culture, Weed Control, and the Conservation of Moisture, at College, his father was proving in practice, at home, that it could not be done.

Why? Because the implements of practice were not adapted to realize the theory of the college.

This has now been changed. Invention has come to the rescue, and the ideal of the college can now be attained in actual practice.

Our New Implements have done the trick.

A study of these amounts to a post-graduate course in modern dry soil culture and costs only the asking. The full course is contained in our 1916 folder, and the Professors are the men who have tested out the implements the past two seasons. Read what they, from the largest Land Companies to the smallest gardeners, have to say. It will pay you in actual cash money.

Our implements are built on honor. We employ no agents but deal direct with you. —Address

THE DODDS IMPLEMENTS, New Leland Hotel, Winnipeg, Man.

When answering advertisements kindly mention the A.S.A. Magazine.

THE A. S. A. MAGAZINE

1915-16 STUDENTS OF THE CLARESHOLM
: : SCHOOL OF AGRICULTURE : :

SECOND YEAR GIRLS

M. Straughan
C. Malchow
M. Maxwell

E. Blackwood
M. Jackson

F. Morrison
M. Lepard

SECOND YEAR BOYS

H. T. Harris
W. Rushfeldt
Dean Campbell
D. Hummon
K. Dole
W. Edey
W. Clark

L. W. Coombs
W. Nielson
LeRoy Nielson
C. Tapp
C. Cyr
T. Long
M. Butler

O. J. Rushfeldt
C. E. Davis
G. E. Bailey
G. Straughan
J. Morrison
J. E. Straughan
A. Butler

FIRST YEAR GIRLS

Mrs. T. A. Sundal
S. Atkins
J. Grady
E. Walsh
D. Jensen
E. Thompson
M. Hansen
E. Nowlin
A. Hansen
A. Whitehead
Mrs. J. Mitchell

B. Tigner
H. Barr
C. M. Caron
F. Baker
R. Stafford
F. Coombs
H. Porter
Mrs. M. L. Walden
M. Scott
E. Sorensen
E. Pound

E. Woitte
L. Winkler
R. Rowland
E. Baker
H. Wickson
A. Straughan
E. K. Cotter
L. Pope
R. Whitehead
G. Gardner
C. Pound

FIRST YEAR BOYS

P. Stumpf
J. McFarland
T. Kyte
W. Fryberger
C. Tigner
I. Gehman
O. Nesting
T. Graham
H. Campbell
P. McAndrews
D. Greenlee
J. Burwash
Jas. Horner
R. Walker
J. D. Seers
R. Pollock
A. Anderson
M. Norton
J. Tufteland

E. Larson
T. A. Sundal
Geo. Rowley
S. McGinnis
F. Yeo
C. Dullea
C. SeEVERS
W. Gordon
C. Reem
C. Matlock
W. Greenlee
S. Shumaker
J. H. Mitchell
O. Rice
E. Hansen
J. Nelson
H. Anderson
L. Walker

H. Johnston
J. Drinnan
A. Bulman
C. Fredell
B. Bailey
R. Gorrill
S. Leitch
M. Hansen
A. Malm
L. Fitzpatrick
R. Wobick
W. Porter
A. Matlock
P. Peterson
P. Sockvitnee
F. Harvey
L. Wickson
R. Walker

The Peerless Dairy Hand Babcock Tester

The **DAIRYMAN** can learn and save much by an individual Test of each Member of the **DAIRY HERD**. The Machine is light, simple and compact, turns very easily without vibration or jar, and can readily be attached for operation to any bench or table, by making the test rapidly very accurate results can be obtained. Prices given are complete with full set of **GLASSWARE**, consisting of **TEST BOTTLES, PIPETTE, ACID MEASURE**, also **TEST BOTTLE BRUSH**, and small Bottle of Acid, also full instructions for use.

PRICES :

TWO-BOTTLE MACHINE, complete for Testing Milk, only **\$6.00**

TWO-BOTTLE MACHINE, complete for Testing Cream and Milk, including two each Cream Test Bottles and two Milk Test Bottles, and Combination Pipette for **\$6.95**

FOUR-BOTTLE MACHINE, complete for Testing Milk, only **\$6.55**

FOUR-BOTTLE MACHINE, complete for Testing Cream and Milk, including two each of Cream Test Bottles and Milk Test Bottles and Combination Pipette, for **\$7.20**

Approximate Weight 13 lbs.

TERMS—CASH. CALGARY

We are Agents for C. RICHARDSON & CO., of St. Mary's, Ont.,

and carry a complete stock of

DAIRY AND CREAMERY APPARATUS

Write us for our Catalogue and Prices on Milk Cans and Milk Coolers

ELLIS & GROGAN

ESTABLISHED 1864

401 8th Avenue West.

CALGARY, ALTA.

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: EDITORIAL :

SPRING with its new form of life and beauty will soon be here, and as our college year draws to a close, we should pause for a moment and consider the purpose we had in mind when entering college. No doubt we had a goal in view, and have been working towards that end? It is up to us to see that our ambitions are carried on towards realization, as our destiny lies in our own hands. This point can be well emphasized from the words of Abraham Lincoln, when he said, "I will study, and get ready, and maybe my chance will come." What made him a great statesman? Simply the fact that he realized the importance of careful study and preparation. To-day there are a hundred opportunities for the young to one in Lincoln's time, and whether we will share in them depends upon how we apply our time in college now towards securing a first-class education.

This spring we sever our associations with the Sophomores, and it is hard to believe they will not be with us again next fall. Our friendships have grown day by day, as we have become accustomed to their genial faces. Much as we dread the parting, we know, however, that every Sophomore will carry with him or her the best wishes for a successful career. They are fully equipped with practical as well as scientific agricultural knowledge, which should win for them a leading position in any community. The good these students will accomplish, by advocating and practising the advanced

principles taught them, can never be estimated; however, the praises accorded them must reflect back to the institution which gave them their educational foundation. There are many vocations in the agricultural profession, and whichever line is chosen by our graduates, may they become masters of their subject, and their success will be assured.

The Freshmen have another college year before them, and their graduation day to prepare for, which should be one of the most important events of their lives. They should take more active interest in literary work, which will develop better public speakers, and it should be the ambition of every boy and girl to be able to speak intelligently before an audience. This training develops power of imagination, quick thought and logical reasoning, which are important if one wishes to become a leader in any community.

The students of the C.A.C. are very fortunate in having such an efficient staff to guide them. Each one is an expert in his or her department, possessing exceptional ability in being able to clearly and intelligently outline the subjects before the students. As our friendships with them have been formed, we have become proud of their talents, and future students will find it a privilege to have the opportunity of associating with them.

Fat Matlock (taking a walk in the country)—"Say, farmer. can I go through this gate?"

Farmer—"Guess so; a load of hay went through it this morning."

Men With Broad Vision

THE men in the dairy business with a broad vision clearly hold to the policy that a clean dairy is a paying investment.

Others, too, outside of the dairy business and yet closely related to it, appreciate the importance of sanitation in the dairy.

Just as men of broad vision proved the inadequacy of soap and soap powders for washing milk utensils, so other men of broad vision discovered and produced a material that is adequate for dairy cleaning. That material is



Wyandotte Dairyman's Cleaner and Cleanser lends itself to your consideration, because it is just the kind of cleanser you naturally would expect men closely acquainted with the demands of modern dairy sanitation to produce. It positively cleans clean, and it is harmless to milk. It has no soapy element, no organic grease of any kind. It makes no suds and therefore leaves neither soapy films, grease, nor soapy odors. Nor has it any other objectionable property. As you will readily discover, Wyandotte Dairyman's Cleaner and Cleanser **is more than merely a cleaner—it also sweetens and purifies, imparting a freshness and wholesomeness that is a delight to every progressive dairyman, buttermaker and cheesemaker.**

INDIAN IN CIRCLE



IN EVERY PACKAGE

Ask your dealer or order from your regular supply house.

THE J. B. FORD CO.

Sole Manufacturers, Wyandotte, Mich.

This Cleaner has been awarded

THE HIGHEST PRIZE WHEREVER EXHIBITED

IT CLEANS CLEAN

When answering advertisements kindly mention the A.S.A. Magazine.

-: The Sophs' Initiation :-

'Twas one November evening, the Seniors' work was done.
And they, as is their little way, were looking for some fun.
"We'll get the Freshies," then said they, "and take them one by one,
And initiate them gracefully, and keep them on the run;
We'll use great stealth and strategy,
And win a glorious victory."

The Professor then was quietly inveigled from the room,
And B were all unwittingly laid open to their doom.
The Sophs then rushed from out the hall, the action soon grew fast,
For on the Freshies they did fall, and roped them down at last.
"We'll tackle A," said they, "and we
Will have another victory!"

Now, A were in Agronomy, learning the gentle wheat;
They heard the sounds of revelry, and at once were on their feet.
The Seniors came, the Seniors saw, but the Seniors conquered not,
For on them grimly A did fall, and captured all the lot.
Our Fatty chortled gleefully,
"Gee, what a famous victory!"

The fire hose sprinkled merrily, to cool their ardor down,
And painted were they skilfully, and then marched down the town.
The procession soon proceeded, the Sophs in single file,
And the music of the sweet tin can was rising all the while.
The townsmen whispered fearfully,
"It must have been a victory!"

And then the College yell broke out, and made the welkin ring,
And many airs and tunes and songs we joyfully did sing;
And then, as darkness fell apace, we left them free to roam,
And oh! it was a lovely race, as each set out for home;
For things like that, you will agree,
Should follow a great victory.

JAS. H. MITCHELL.

Willow Bend Dairy

—Phone R1106—

Delivery Daily - Rich Milk
Popular Prices
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-: C. A. C. Family Gossip :-

**MECHANICS CLASS
DISCUSSION.**

Subject—"Dressings for Belts."

Mr. Y.—"How does castor oil work on belts?"

Prof. Qually—"Not very good."
(Applause).

SUDDEN DEATH.

Prof. S.—"What would you use to exterminate potato bugs, Miss M.?"

Miss M.—"Apply a solution made of 1 lb. of Paris green and a pail of water."

Prof. S.—"Good gracious! Miss M., you mean death to the bugs."

**AFTER THE FIRST PRACTICAL
LESSON IN DAIRYING.**

Mr. Pearson—"How many pounds of buttermilk?" (No answer).

Mr. Beckett (assistant)—"There's none left. It was all devoured by the freshmen."

**QUESTION IN BOTANY
EXAMINATION.**

"Outline and describe the plant kingdom."

Mr. J. (evidently in distress)—
"Do we have to make a diagram of it?"

**QUESTION IN CARPENTRY
EXAMINATION.**

"What is a block?"

Mr. F.—"A block is 180 yards long, and I do not know how wide."

It is rumored that a law is in force to the effect that all tin cans containing gasoline must be painted red. It will be the duty of the Sophs to apply the paint to the college Ford.

CAN YOU GUESS

Why Mr. G. changed his boarding place?

Why the Junior girls have so many pans to scour?

Why certain students are late in the morning?

Why Mr. H. prefers meeting Prof. Hooper at the experimental farm, instead of at the college?

Why certain Seniors paid a hurried visit to the cemetery on Nov. 23?

How L. is able to judge cattle on a sheep score card?

Why J. E. S. secures such cheap telephone rates?

Why L. C. left for home so suddenly?

Why Mr. F. lingers around the library after school hours?

Why Miss M. partakes of so many puddings?

Why Mr. Y. does not train for cross country running?

Why Leap Year has produced such poor results?

Why the Senior boys were gassed?

Why the Senior girls are so fond of the boys "this year?"

Why Mr. E. spends so many Sundays on the farm?

Why J. M. did not get a perfect mark in arithmetic this year?

THE A. S. A. MAGAZINE

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Olds Section



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Associate Editors	-	-	{	MISS McCORNACK
				MISS A. ARCHIBALD
				H. R. THORNTON
				T. WORTHINGTON
Business Manager	-	-	-	G. W. GORMAN
Assistant Business Manager	-	-	-	F. ADDISON
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Assistant Circulation Manager	-	-	-	H. SWITZER
Secretary-Treasurer	-	-	-	A. T. KEMP
Staff Representative	-	-	-	W. J. ELLIOTT, B.S.A.

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Social	-	-	-	-	MISS L. ARCHIBALD
Musical	-	-	-	-	W. C. STEWART
Locals	-	-	-	{	MISS DAVIS
					MISS E. CURTIS
					H. W. KIRKLAND
					C. HUSKINS

A.S.A. MAGAZINE



: O. S. A. Honor Roll :

KILLED IN ACTION AT CHAMPAGNE, FRANCE:

Raoul Simon ('14 Freshman Class).

ON ACTIVE SERVICE:

Brigadier R. Georges Figarol ('14 Freshman Class), 26me E. Dragons,
2 E. Ex. 1er Pl., T.P. 124, France.

Lieut. J. R. Burns ('14 Freshman Class), No. 79560, B Company,
31st Batt., C.E.F., France.

Lie.-Corp. J. A. Goldie (Class '15 Graduate), No. 463593, 3rd Canadian Pioneer Batt., C.E.F., France.

Private Wm. Whiteside ('14 Freshman Class), No. 12352, 12th O.M.R., C.E.F., France.

Private J. D. Quantz ('15 Freshman Class), No. 12348, 12th O.M.R., C.E.F., France.

Private Thory Johnson ('14 Freshman Class), No. 435457, 3rd Machine Gun Brigade, France.

IN TRAINING FOR ACTIVE SERVICE:

Private B. E. Hammond ('15 Freshman Class), Cycle Corps, 2nd Division, C.E.F., England.

Private A. McNeill (Class '15 Graduate), No. 2 Company, 66th Batt., Edmonton.

Private Mitchell Moir ('15 Freshman Class), Base Company, 51st Batt., C.E.F., England.

Private J. A. Whiteside ('15 Freshman Class), No. 447940, D Company, 56th Batt., C.E.F., England.

Private H. Batley ('15 Freshman Class), B Company, 56th Batt., C.E.F., England.

Private Otto Miller ('15 Freshman Class), 138th Batt., C.E.F., Edmonton.

At the time of going to press the following members of the '16 Freshman Class have just enlisted:

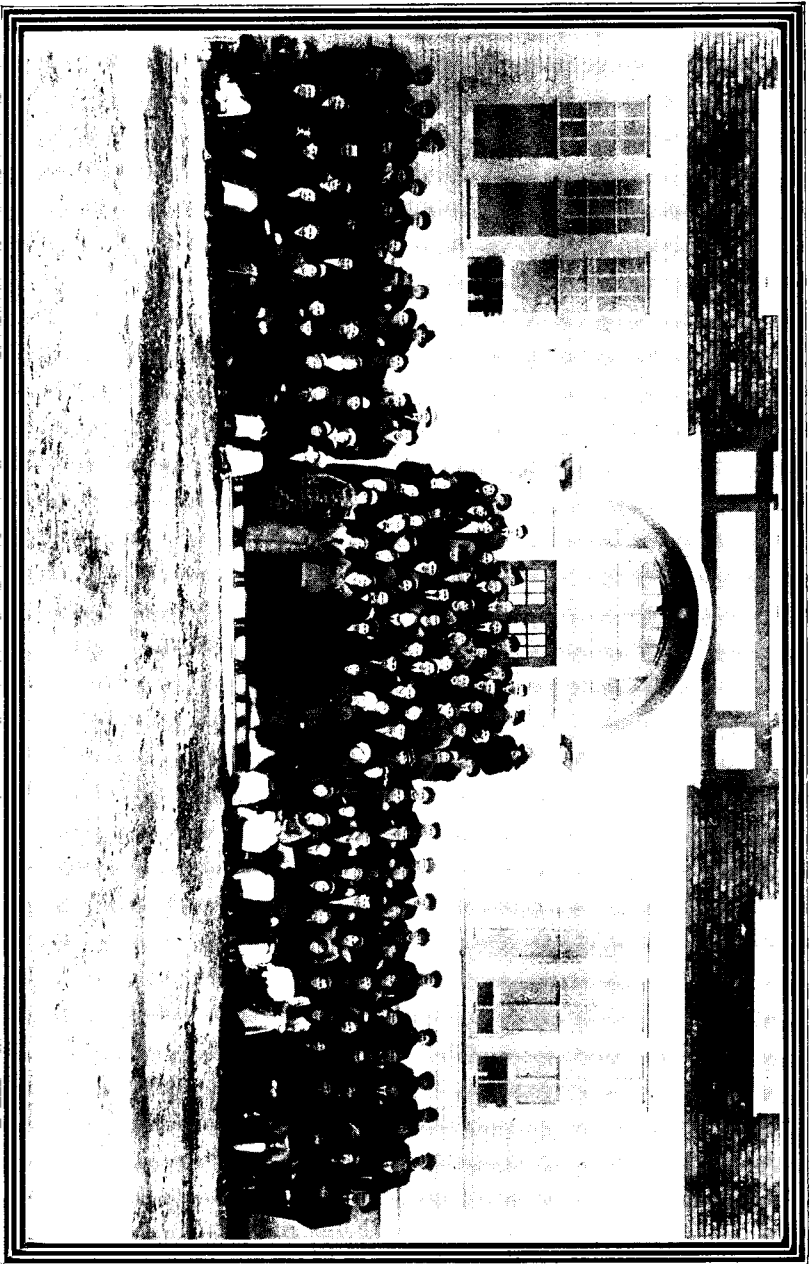
Jack Hutchison, 137th Batt., Calgary.

Edward Lee, 137th Batt., Calgary.

Horace Gallagher, 194th Batt., Edmonton.



OLDS SCHOOL OF AGRICULTURE STAFF



STUDENTS AND STAFF, OLDS SCHOOL OF AGRICULTURE

SOPHOMORE CLASS '16, OLDS S. A.

OSCAR SUNDBERG, "SUNNY." Sunny is all that his name indicates and more. When not smiling he is laughing. Through diplomacy he usually carries his point, without resorting to the more substantial force of his huge bulk. He is an excellent judge of live-stock and of grain, the latter being evidenced by his securing first place in the grain judging competition at Calgary last fall. Forte—Size. Weakness—Unsusceptibility to the girls.

* * * *

LILLIAN ARCHIBALD. "Nothing that is worth having ever comes to one except as the result of hard work." Lillian is a firm believer in the gospel of work, which she has put into practice in many phases of the school life. As President of the Social Committee for two years, she has worked most effectively to make the social affairs very successful. Her forte lies in the Household Arts and Sciences, in which she intends to specialize.

* * * *

HAROLD H. PHILLIPS, "TULIP." Tulip's mind is of a particularly fertile nature, and we expect him to blossom out into one of Alberta's prominent agriculturists. Harold is a close student, and gets possibly as much out of our course as any other member of the class. He has been on the "Y" Executive, was a strong contestant for a place on the debating team of 1914-15, and has exhibited great ability as an essayist. Forte—Common sense. Favorite pastime—Study. Weakness—Retiring nature.

* * * *

ARTHUR T. KEMP, "ARTHUR." Arthur is an example to his class as a worker. He goes to the bottom of everything which he hears along an agricultural line. He is conscientious in all his studies, but has a decided preference for Field Husbandry and Horticulture. He is a keen "Y" man, and as the capable Secretary of the A.S.A. Magazine has shown considerable business acumen. Forte—Field Husbandry and Horticulture. Favorite pastime—Plodding.

* * * *

HERBERT W. KIRKLAND, "KIRK." Kirk recently came from Michigan, and has been wont to speak of it as his "Ho(1)me(s)." He "Mac" not do so now. Kirk took his first year's work in Agriculture in Michigan State College. His ability and solid worth soon won him a respected place among the boys. Kirk is on the Magazine staff, is a hockey star, and possesses quite a poetical genius. Forte—His looks. His god of love—Mitchie Manitou. Weakness—Daintiness.



SOPHOMORE CLASS '16, OLDS S. A.



H. R. THORNTON, "TODDLER." Harold is small in stature, but his brain-power varies inversely as the ratio of his size, and he is always close to the top at exam. time. He was one of the 1914-15 debating team, has been a keen member of the "Y" Executive, and has capably filled the high office of President of the Students' Union of 1915-16. Harold has put in a lot of good work on the Magazine, and is our uncrowned Poet-Laureate. Forte—Oratory. Favorite pastime—Composing poetry. Weakness—Lack of bashfulness.

* * * *



AMY B. CATTNACH. "True to her work, her word, her friends." Amy's sunny disposition makes her a general favorite. As an expert in the culinary arts and as a hostess she is famous. In the first play presented by the students she played most successfully the role of "Aunt Robertina."

* * * *



HECTOR McARTHUR, "HECK." Heck has surpassed himself and surprised us all. He actually seems to be in love, although of course it may be over-study. He is one of our younger members, but is a good student. The world could hardly change more in a "milli"-on years than has Heck in the last year. The transformation has not affected his character, and he is still one of our best liked boys. Forte—Practical work. Favorite pastime—Playing pranks. Weakness—His heart.

* * * *



E. A. DEADRICK, "ARDEX." Though handicapped by a daily drive of six miles, Arden is one of our best students. For him North-West blizzards have no terrors, for he has attended class regularly. In mathematics he is exceptionally good, and indeed in all subjects is proficient. Forte—Mathematics. Usual pastime—Driving to and from school.

* * * *



L. V. RUSSELL, "LYLE." Athletics of any kind appeal to Lyle. However, he lends an air of "grace" more particularly to the ball diamond or the boxing ring than to any other form of athletics, for in these two sports he is seen at his best. Lyle is the champion boxer of the Sophomores. In studies he prefers the practical work to the sciences. Forte—Baseball. Favorite pastime—Boxing. Weakness—Lack of executive ability.

SOPHOMORE CLASS '16, OLDS S. A.

MACK B. McCOLL, "RED." Whatever Red may be doing, he enters into it assiduously. During both years he has played on the hockey team, of which he is now captain. In his senior year he is Vice-President of the Social Committee, and has been an ardent "Y" worker. As a Freshman, Red was always merry (Mary), and let us hope he does not yet de-"test'er." He is a good student and a splendid judge of live stock. Forte—Ardor. Favorite pastime—Coaching the girls' hockey team. Weakness—His hair and his legs.

* * * *

ZELMA CARRICO. "Quiet minds cannot be perplexed or frightened, but go on in fortune or mi-fortune at their own private pace, like a clock during a thunder-storm." Zelma has pleasant memories of attending the O.S.A. during the first term 1913-14. She has returned to us this year to complete her course with the second year work.

* * * *

P. L. MARNACH, "PAUL." Paul is our youngest classmate, although none the less liked on that account. He is especially good in practical work. In mechanics he stands among the highest in the class. On the other hand, he loses much more sleep over mathematics than over the fair sex. Paul thinks that, barring mathematics and English, the O.S.A. is the finest school on the continent. Forte—Mechanics. Most despised theme—Hay-stack tonnage. Weakness—Mathematics and English.

* * * *

GEORGE W. GORMAN, "TINY." George has been an outstanding student. As a Freshman he was one of the debating team, and in both years played in the baseball and hockey teams. During his Sophomore year he has acted as President of the Athletic Committee. He has shown considerable executive ability, and has been a keen supporter of all social activities. Should he ever think of "Marryin'" we prophecy that his life will be as a pleasant dream. Forte—Girls. Favorite pastime—Running things. Weakness—Somnia.

* * * *

P. H. MENZIES, "PETE." Pete is our only B. C. representative, and is one of our characters. In the latter role he is more than "Norma(l)." As a junior he was a member of the illustrious hockey team. During his summer vacation Pete put into practical use some of the gems of knowledge picked up at the O.S.A., and snatched the first prize in a stock-judging contest in B. C. Forte—Sleep. Favorite theme—Parliamentary proceedings. Weakness—Red tape.



SOPHOMORE CLASS '16. OLDS S. A.



HAROLD STEELE, "HAL." Harold has a consuming thirst for knowledge, and will easily come out first in the class under the heading of "Questions asked instructors." He applies himself earnestly to the task he has in hand, and whatever rebuffs he may receive he comes up smiling. He is a firm believer in mixed farming, and intends to practice it scientifically when he has finished his second year at the O.S.A. Forte—Dancing. Weakness—Complicated interrogations.



ARTHUR CORMODE, "ARTHUR." Mathematics and English are a thorn in Arthur's flesh. Grain and stock judging or shop work are, he finds, more congenial studies. A short time ago Arthur was chosen to judge the boys' exhibits at the boys' and girls' winter fair at Acme. He is a worker and will make a successful farmer. Forte—Practical work. General character—Quiet and unassuming. Weakness—The sciences.



HAROLD C. HOPKINS, "Hop." Hop. has never forgotten Red Deer, and when thinking of that place works himself into a "White" heat. Notwithstanding this, he still has an eye for O.S.A. beauty. During his two years here he has been the efficient Circulation Manager of the Magazine, and a member of the "Y" Executive. He is a reader of good books and a debater of merit, and edits the O.S.A. column in the local paper. Forte—Reading and research. Girl of his Dreams—Edna. Weakness—Bashfulness.



W. CARROLL STEWART, "STEWIE." Stewie has the misfortune to be handsome, and finds it difficult to manipulate his heart affairs. Unlike many handsome men, however, Carroll has "something to him." He has been on the "Y" Executive, is a member of the Orchestra, showing wonderful aptitude with the violin, and as a senior is a member of the Cabinet. He is as jolly as a "Miller," and shows "Amy"-ability toward everyone. Forte—Music. Favorite pastime—Flirting. Weakness—System of note-keeping.



F. W. FALKNER, "FRITZ." Fritz is a striking example of the wonders which the O.S.A. works on a man's character. Fritz has "come out." He is a wonderful worker and spent his entire Freshman year plugging. Though he still burns the midnight alcohol (Ethyl), he has developed his social side as well, till now he is considered quite a ladies' man. He has been an indefatigable member of the Orchestra, and as a senior is Vice-President of the Musical Committee. Forte—Work. Favorite pastime—Driving south. Weakness—Girls.

SOPHOMORE CLASS '16, OLDS S. A.

C. LINDSAY, "CAMPBELL." Campbell is one of those men who say little but accomplish much. Though possibly the most retiring of the class, he has won his way into the hearts of all. Even the fair Co-Eds., though he little thinks it, have a deep respect for Lindsay's modest worth and sincerity. In both years he has been on the "Y" Executive, and has always stood high on exams. He is a man of uncommon common sense. Strength—Good judgment. Favorite pastime—Reading and writing letters. Weakness—Retiring nature.

HELEN McCORNACK.

"This world that we're a-livin' in
Is mighty hard to beat;
You get a thorn with every rose—
But aren't the roses sweet?"

A daughter of the Stars and Stripes, Helen came to us to take up the work of the second year. As the star elocutionist of the school, she has given us many real treats.

GEORGE A. MURRAY, "RED." When a goal was to be shot or a piece of pretty stick-work to be performed, Red was the one on whom we always relied. For two seasons he has been a star on our hockey team. At the home plate or at first base he has been a pillar of the Sophomore baseball team. George is so shy that he would rather forfeit a week's remittance from home than ask a strange O.S.A. girl to dance with him. Forte—Hockey. Favorite song—The River "Shannon." Weakness—Bashfulness.

A. H. BAKER, "ARNOLD." Though quiet and unassuming, Arnold's worth was quickly appreciated. During 1914-15 he was Assistant-Editor of the Magazine, Secretary of the Musical Committee, and Vice-President of the "Y." As a senior he has acted successfully as Editor-in-Chief of the Magazine, President of Class '16, of the "Y," and of the "Lit." Arnold is a keen footballer, possesses a good tenor voice, and has been the college pianist. Forte—Music. Favorite pastime—Football. Weakness—Selfishness in heading lists at exam. time.

ALEX. E. ELLIS, "KID." Alex. is a most conscientious student, and always climbs high at exam. time. It is to men of his stamp that the knowledge gleaned at such an institution as this means the most. Kid intends going back to the farm after taking his University work, and will undoubtedly have a good influence over those of his community who have not had the advantage of an O.S.A. training. Forte—Examinations. Favorite pastime—Gaining information. Weakness—Chocolates.



THE A. S. A. MAGAZINE

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are the COLORS of the O. S. A.

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DEPARTMENTAL
STORE

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Science Students**

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SOPHOMORE CLASS '16, OLDS S. A.

A. W. BICKNELL, "BICK." Walter is another who has braved the penetrating frigidity of Alberta's winters to obtain an education at the O.S.A. He has attended regularly in spite of having six miles to drive night and morning. Although young, he is developed physically to an enviable degree. He has a habit of isolating himself in one corner of the class-room. Forte—Holsteins. Favorite pastime—Sleeping in class. Weakness—Taking notes.

* * * *

MRS. WONG POND. "A dainty little lady from the Orient." Quick to learn, bright and mischievous, her characteristics have made her a general favorite of the girls.

* * * *

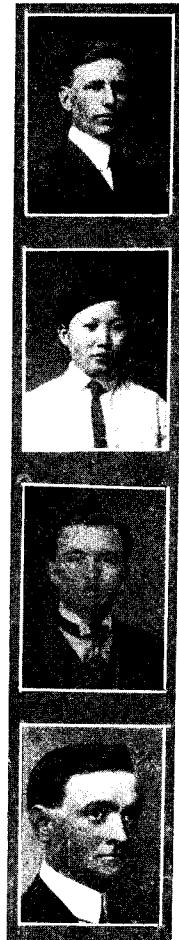
A. B. WIANCKO, "BUD." Albert has a laudable ambition to become a veterinary surgeon. Above all his other subjects he excels in matters pertaining to the horse. He is a splendid blacksmith and carpenter. Should his dream come true he will be a credit to our school. Forte—Horse shoeing. Favorite sport—Boxing. Weakness—Mustaches.

* * * *

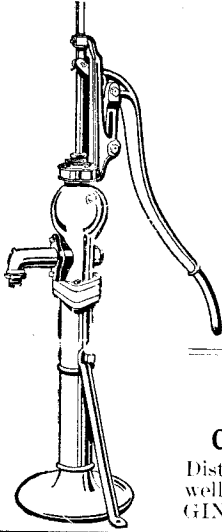
J. HODGSON, "JACK." It was indeed with regret that we learned of Jack's absence, when, owing to the illness of his mother, he was obliged to leave school in January. Since then we have missed his cheery face and sane counsels. Jack enthuses when Clydesdales are mentioned and waxes eloquent on the subject of Holsteins. He is a splendid judge of live stock and grains, and will, we have no doubt, make a success of agriculture. Forte—Holsteins. Chief characteristic—Hustling. Weakness—Chemistry.

* * * *

WILMER REIST, "BILLY." Most big people are jolly, and Wilmer is no exception to the rule, indeed he is exceptionally good natured. Billy has proved that the regular perusal of one's notes puts a rising inflection on examination percentages. He always wrote first-class papers. His mind is both absorptive and retentive, and he will make a farmer of the very best type. We are sorry that he was unable to complete his second year. Forte—Good nature. Favorite pastime—Mathematics. Weakness—Keeping in the background.



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GINES, FEED GRINDERS, TANKS, PIPE & WELL CASING



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Farming district, where a drouth
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SOPHOMORE CLASS '16, OLDS S. A.

MAGDELENE E. MOORE attended the O.S.A. during the first part of the fall term, but left before Christmas, in order to finish her post-graduate course in music at Clark Hall, Brandon College. She has the best wishes of the students for her success.

* * * *

W. J. SMITH, "SMIDDIE." Warren entered the school late in 1914 and left early in 1916. We were sorry to hear of his removal to Toronto, and we wish him every success in his future agricultural exploits. We trust that the knowledge gained at the O.S.A. may "Spur(r)" him on to untiring effort. Forte—His pleasant way. Favorite pastime - Book-keeping.

* * * *

A. L. MILLER, "A. L." In our two years together, we have not become really well acquainted with Addison, so quiet and unpretentious are his ways. Unfortunately, he was unable to finish his Sophomore year, but we are confident that he will practice in future years the knowledge of scientific agriculture which he absorbed at the O.S.A. In athletics his favorite sport was hockey, at which game he acquitted himself creditably. Forte--Hockey. Favorite books - Fiction. Weakness--Retiring disposition.

To the O. S. A. Staff

It would not be right to let this Magazine go out without containing a few words, at least, of appreciation for the Staff of the Olds School of Agriculture, from the students. We, the said students, wish to tell Principal Elliott and his assistants that we recognize the value of the instruction we have received from them; that we realize the time, the thought and the energy which have been expended on our behalf; that we are sensible of the courtesy and consideration shown us, and remember with pleasure the cordial relations which have existed between us; and, finally, that for all these things we are correspondingly grateful, and so desire Principal Elliott and the other members of the Staff to accept our very best thanks.

Good Luck to Them

A very happy event, and one of considerable interest to all O.S.A. students, is due to take place at Olds next Easter, when Mr. H. Higginbotham and Miss Edith Murray will be married.

Miss Murray has acted as Secretary to Principal Elliott at Olds for the three years during which the school has been in operation, and has been closely identified with the life of the school.

Mr. Higginbotham, during his two years at the O.S.A., was prominent in all the student activities. He was the editor of the first and only number of the O.S.A. Magazine, and also of the first number of the A.S.A. Magazine, in which the former publication was merged.

Best wishes from the O.S.A.!

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You must therefore trust your seedsmen or dealer.

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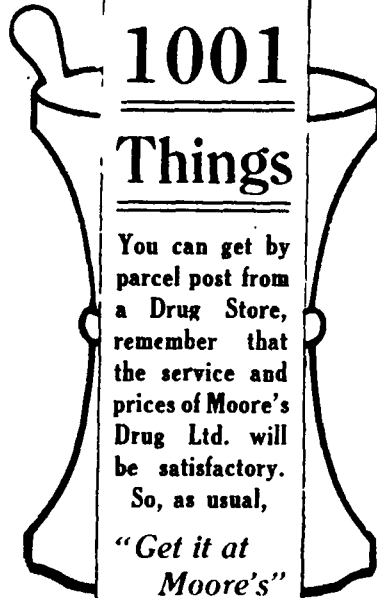
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A. W. MacINTYRE

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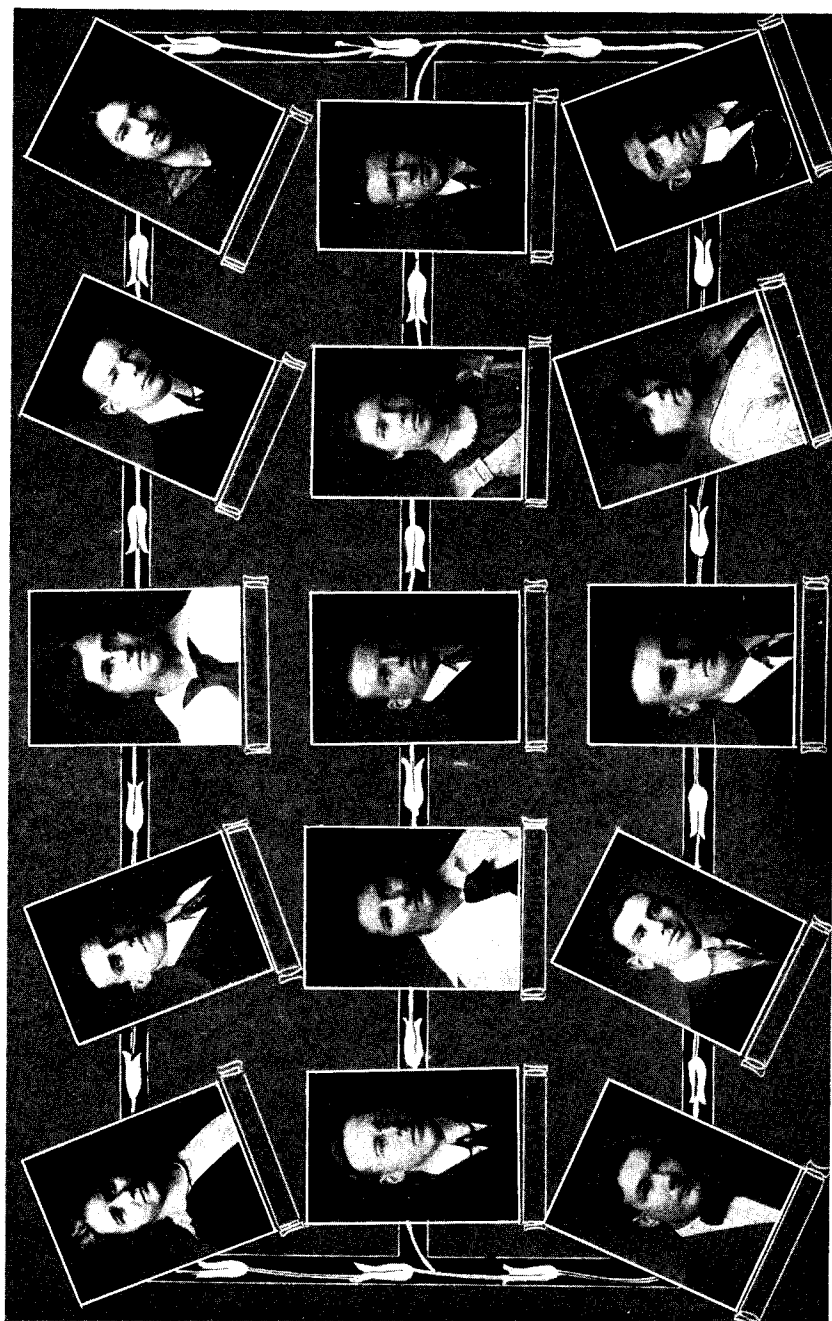
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 L. M. TESTER, A. SHANTZ, M. B. MCCOLL, COACH, E. M. MICHENER,
 L. F. ARCHIBALD, E. E. CURTIS, H. McDERMID,
 A. DAVIS, CAPTAIN, B. M. CATES



BOYS' HOCKEY TEAM, OLDS
 McCOLL, Captain, JACOBSON, MURRAY,
 WOOD, GORMAN, Manager, KIRKLAND,
 WOODWARD, TAGGART



STUDENTS' CABINET, OLDS.
 TOP ROW—VICE-PRESIDENTS; CENTRE ROW—PRESIDENTS; BOTTOM ROW—SECRETARIES OF LITERARY, MUSICAL,
 STUDENTS' UNION, SOCIAL AND ATHLETIC DEPARTMENTS RESPECTIVELY.

THE A. S. A. MAGAZINE

1915-16 Students Olds School of Agriculture

FIRST YEAR MEN

Gordon Anderson, Shephard
Paul Allen, Acme
Frank Addison, Markerville
William A. Black, Hope Valley
Henry Backstrom, Highland Park
Gordon Bowers, Airdrie
Guy N. Barham, Evarts
Ned Beebe, Hastings Coulee
Harold Bellamy, Keoma
Hjalmar Carlson, Olds
Dean Curtis, Olds
Alex J. Culbertson, Bassano
Frank Cosgrove, Gleichen
James Clark, Stettler
L. E. Chandler, Didsbury
Clifford Clemens, Coronation
D. L. Campbell, Bowden
James E. Carruthers, Munson
Simpson J. Crozier, Richdale
E. J. Carroll, Alix
Thomas Cleghorn, Stanmore
Thomas G. Clark, Acme
Peter L. Dick, Didsbury
Nels Dahl, Standard
George Desso, Oyen
Osmond Ennis, Alix
Thomas H. Farmer, Olds
Ed. Farquharson, Eagle Hill
Ewart Ferguson, Swalwell
Horace Gallagher, Calgary
Richard Guenther, Olds
Edward Gibb, Munson
George Grant, Killam
Danzil Gibson, Muhlbaeh
J. E. Howe, Olds
Milo Huffman, Langdon
J. A. Hughes, Didsbury
John D. Hutchinson, Olds
Cecil Hutchinson, Ponoka
Charles L. Huskins, Piteox
John Hansteen, Craigmyle
Robert Hutchinson, Olds

William L. Jacobson, Stettler
Walter Jackson, Shephard
Samuel Johanneson, Bergen
Edward B. Lee, Ponoka
John Lloyd, Langdon
Evan Lloyd, Ponoka
Harold J. Lund, Dowling Lake
John Martin, Dalroy
Joseph Marsden, Excel
John D. McRae, Delburne
L. W. Manning, Bull River, B.C.
Thos. H. Mather, Stanmore
Ernest C. Madsen, Olds
George D. Malcolm, Innisfail
Albert F. Malcolm, Innisfail
Emil Nassett, Strathmore
J. Lawrence Owens, Ponoka
Lionel Powne, Erskine
Jack Peckham, Olds
Edward Phillips, Langdon
Vernon Parker, Brant
Orrin C. Powell, Olds
John W. Rennie, Didsbury
William G. I. Roddick, Killam
Roy Roberts, Shephard
Lloyd Ray, Didsbury
Vernon Shantz, Didsbury
Jacob Shantz, Didsbury
Harold Scheer, Strathmore
Harry Switzer, Lacombe
Charles Switzer, Lacombe
Lloyd Smith, Olds
Fredrick Sykes, Bashaw
George M. Snell, Oyen
Oliver Tolman, Runisey
Leslie West, Strathmore
Trelfa Worthington, Westerdale
Norman Weber, Didsbury
John O. Wood, Carstairs
James F. Williams, Ensign
W. T. Woodward, Oyen.

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THE A. S. A. MAGAZINE

1915-16 Students Olds School of Agriculture

FIRST YEAR GIRLS

Anna Archibald, Lochinvar
Lucy E. Brown, Innisfail
Mary M. Crow, Dalroy
Hattie Cross, Olds
Bertha M. Cates, Fairacres
Ethel E. Curtis, Olds
Grace G. Crawford, Ponoka
Ruby Cox, Cereal
Louise J. Fleury, Talbot
Violet Frost, Olds
Eunice E. Grant, Lacombe
Jessie Grant, Killam
Helen Holmes, Olds
Elsie R. Hutchinson, Olds
Maggie B. Hope, Sterlingville
Evelyn Herdman, Olds
Nellie Hardy, Didsbury
Marion Ide, Olds
Myrtle Johanson, New Norway
Emilie R. Johnson, Markerville
Cora E. Johnson, Leduc
Sarah Johanneson, Pergen
Anna Klingsell, New Norway
Bessie King, Acme
Annella Lamb, Sunnyslope

Alberta M. Munro, Halifax, N.S.
Lydia Mueller, Didsbury
Pearl M. Morrical, Clive
Elsie G. Malcolm, Innisfail
Olive M. Moffat, Patience
M. A. Marsden, Excel
Hilda J. McDermid, Munson
Ida McKenzie, Strathmore
A. Mae Michener, Red Deer
Edith C. McKinnon, Red Deer
Lilly P. Nichol, Killam
Ella B. Pritchard, Bawlf
Kathleeta Perry, Talbot
Pearl Reist, Didsbury
Mabel Spalding, Carstairs
Isabel Sinclair, Innisfail
Alberta Shantz, Didsbury
Emma A. Skode, Chinook
Ethel Thomsen, Dickson
Thora M. Thompson, Markerville
Louisa M. Tester, Innisfail
Gladys Trimble, Red Deer
Alice Whiteside, Penhold
Mabel A. Ward, Carstairs

SECOND YEAR MEN

Arnold H. Baker, Clive
Walter Bicknell, Didsbury
Arthur Cormode, Crossfield
Arden Deadrick, Didsbury
Alex E. Ellis, Lacombe
Fred W. Falkner, Strathmore
George W. Gorman, Edmonton
Jack Hodgson, Calgary
Harold C. Hopkins, Bentley
Arthur Kemp, Calgary
H. W. Kirkland, Battle Creek, Mich.
Campbell Lindsay, Eye Hill
P. H. Menzies, Chilliwack, B.C.

George A. Murray, Killam
Paul Marnach, Olds
A. L. Miller, Olds
Mack B. McColl, Coltholme
Hector McArthur, Kneehill Valley
Harold Phillips, Langdon
Wilmer Reist, Didsbury
J. W. Smith, Olds
Carroll Stewart, Merna
Harold Steele, Lacombe
Oscar Sundberg, Alix
Harold R. Thornton, Red Deer
Albert B. Wiancko, Earlvile

SECOND YEAR GIRLS

Lillian Archibald, Lochinvar
Amy B. Cattnach, Sterlingville
Zelma Carrieco, Olds

Helen McCornack, Airdrie
Magdalene E. Moore, Olds
Mrs. Wong Pond, Olds

THE A. S. A. MAGAZINE

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BLACKIE

CHAMPION

LACOMBE

DRUMHELLER

HANNA

INNISFAIL

OLDS

RED DEER

VETERAN

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A DAY WITH THE GIRLS AT THE O.S.A.

COME with me to the Olds School of Agriculture this bright morning—let us see what the girls are doing.

As we enter, we notice that the bulletin-board is surrounded by ever-changing groups of boys and girls, each anxiously making a mark opposite his or her number on the register.

Then the girls all troop upstairs, and about two minutes thereafter we hear the call to "Assembly." Now both boys and girls—a hundred and seventy or so—crowd up the stairways and gather in the big Assembly Hall, where Mr. Elliott presides, and to this big family offers praise, reproaches, directions or exhortations, all as he sees fit. On this particular morning, we find that we have time for a song, so we sing to the rollicking tune of "Ship Ahoy," just to set our hearts right for the day's work. "Are there any announcements this morning?" Yes, the Literary, Social, Musical, Athletic or Magazine Committees have announcements to make. But the allotted period is passing quickly, so we all stand and repeat the Lord's prayer and are dismissed.

We may listen, possibly, to a chemistry lecture for the first period. While Mr. Taggart plunges into the mysteries of symbols, atomic weights, valences, etc., we cannot but observe the variety of expressions which flit over the faces of the girls—interest, appreciation, indifference, dismay, despair.

If we are so fortunate as to be present at Miss Goldie's lecture on Household Administration, we shall

come forth, I have no doubt, imbued with the desire to be better housekeepers and home-makers than we have ever dreamed it possible to be.

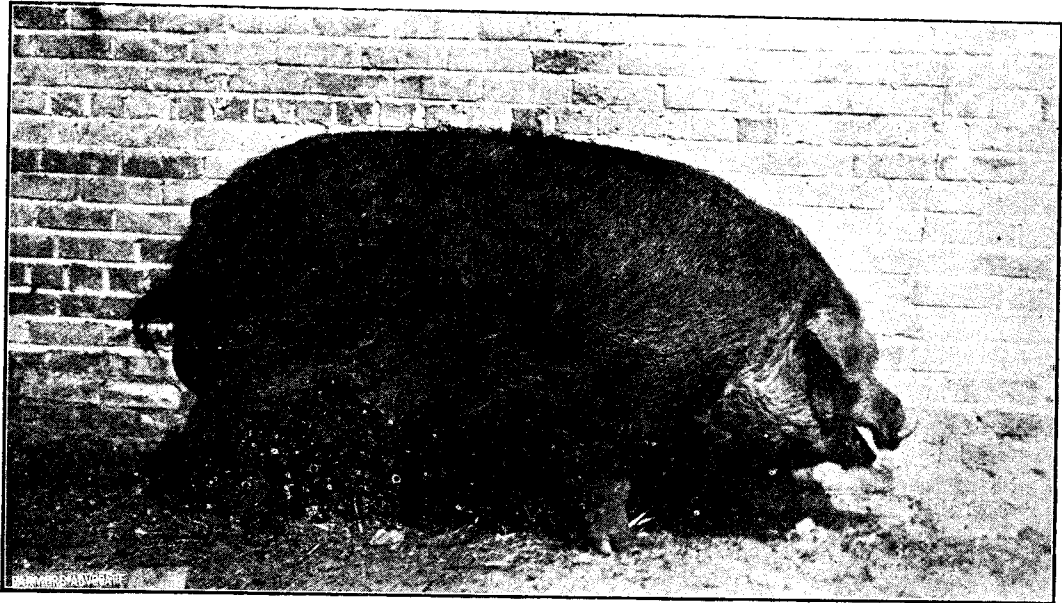
If it be House Practice or Laundry, we note the prominence of the blue dresses and white aprons which comprise the school uniform.

At various stages in a lecture, it is just possible that an absent-minded youth of the Sophomores will open the door so far as to admit at least a part of his person, and, suddenly recollecting his whereabouts, will beat a precipitate retreat, the explanation being that, formerly, this was the boys' classroom, and although they have been obliged to relinquish it almost entirely to the girls, they still continue, like the crew of Hendrick Hudson, to haunt the scenes of their former merry-making.

Now to the halls again, and following one division of the girls, we shall find ourselves in the sewing room. During roll-call Miss Goldie reads, "Miss M—n." No answer. "Is she here this morning, girls?" "Coming! Coming!" is the reply in chorus. Ten minutes later, Miss M—n appears. The lesson today is to teach the proper darning of a stocking. We surmise by the extent of preparedness for the lesson that it has long been anticipated!

Before the period ends we will visit the girls who are cooking in the kitchen. Under the supervision of Miss Davis the practical work begins. "All right, girls—ready?" Then follows such a chatter and

THE MILLER DUROCS ARE THE BEST



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16 TIMES CHAMPION
NEVER DEFEATED
MULTI-GRAND CHAMPION
OVER ALL BREEDS

History made during the preceding two years of show yard performances records the Miller Durocs as equalling the combined show yard performances of all breeds (Durocs included) from Winnipeg to Vancouver.

The remarkable performances of this herd, in a large part, are attributable to the fact that the foundation stock was well chosen — the best that money could buy.

\$1,000 for one-third interest in Red Wonder, Iowa Champion; M. A.'s Model (sow), \$1,000 Indiana Champion.

1913-14 Record of Miller Durocs. Winnipeg to Vancouver. All breeds eligible. 11 Grand Championships out of a possible 17, also 5 Reserve Grands, Grand or Reserve Grand 16 times out of 17.

The Miller Live Stock motto:—The best is none too good. Fewer stock (if need be) but better stock, with enhanced possibilities of best results.

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clatter as would shame the magic of the Pied Piper, quieted frequently, however, with "Less talking, girls!" The work proceeds merrily while the cooking is being done, and when the finished dishes are ready to eat, each girl "tries" them. In a great hurry the dishes are washed, and everything made "spick and span."

Then all the girls go to the classroom, where Mr. McNally delves into the depths of mathematics or scales the heights of English literature. We strive to solve the problem or to catch the enthusiasm of the story and the pronunciation of unfamiliar names. But there's the dinner bell, so with our usual alacrity at such times, we welcome the noon hour.

Shall we return in the afternoon? Then the lecture will be, perhaps, the interesting subject of Home Nursing, by Miss Coates, or we shall hear Miss Davis on "Foods," or Mr. Longman may be teaching the girls Horticulture. Take notice: "In order for to produce larger fruit, use the "hill" system rather than the "matted row" system, because—" etc., etc.

At the close of the day, armed with a huge bag in startling blue or red, and filled to its utmost capacity, we set out for our various places of abode, weary but happy. Our passage to the door is frequently intercepted by busy students in ones, two and threes, all hurrying to and fro to join each other in some quiet retreat, there to plan for a dance, a hockey practice, a "musical," etc.

Finally, all are gone, and, for a space, the halls are dark and silent.

A. M. A.

STUDENTS' Y. M. C. A.

THE Y.M.C.A. was the first of the various activities of the School to come up for consideration. The day following the opening, Mr. E. H. Clarke, Student Secretary of the Canadian National Council, got the organization started for the year, and delivered to the staff and students a fine address on "The Four-fold Development of a Man."

Our organization has a membership of over seventy, and the regular meetings on Sunday afternoons are very well attended.

The first meeting was held on Nov. 7th, when some of the students who had attended the previous year, read the reports which they had prepared, under the direction of the Rural Problems Committee; respecting the various communities in which they lived. Some very interesting papers were read, covering a very wide field, and all the problems of the community were dealt with—religious, social, educational and economic.

Some splendid meetings have been held during the year, the main items consisting of short papers, addresses, etc., and also a debate on church union. The following is the executive for the year:

President—A. H. Baker.

Vice-President—W. A. Black.

Secretary—W. Jacobson.

Chairman of Bible Study Committee—A. T. Kemp.

Chairman of Rural Problem Study Committee—H. R. Thornton.

Chairman of Membership and New Students' Committee—M. B. McColl.

THE A. S. A. MAGAZINE

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PURE ICE CREAM

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FRESH FRUITS and CANDIES

FIRST CLASS BREAD and CAKES

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SHOES Kept in Stock**

Boot Repairing a Specialty

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SOCIAL EVENTS

UPON the evening of the first Friday of the College term, the staff extended their welcome to the students in the form of a very pleasing reception. They had the happy faculty of making us all feel acquainted with one another. Quite a number of "Freshies" received their initiation in quaint manners. Dainty refreshments were served and a very enjoyable evening concluded with dancing.

Two hockey dances were given during the term, one before and one after Christmas, for the purpose of raising funds. Thanks are due to the people of Olds for their generous support.

On Dec. 17th an Alumni Dance was held and a goodly number of ex-students were welcomed back. Old acquaintances were renewed, and a pleasant evening passed away. It is to be hoped that this may be an annual affair, and we in turn may look forward to a re-union each year.

The good old Christmas Tree custom was celebrated at the O.S.A. as usual. St. Nick was there to distribute the mysterious packages to each and every one, for no one was forgotten. Apparently the "children" all enjoyed their ten cent toys, candy, and popcorn to the full, for the hall was filled with joyful sounds. Dancing was enjoyed during the latter part of the evening. A great number of the miscellaneous toys were afterwards sent to the Orphan's Home in Calgary, to cheer and brighten the lives of some little tots who needed them more than we.

To be in keeping with the times,

a Leap Year dance was given shortly after our return from the Christmas vacation. Ladies' choice for dances was the order of the evening. It would be difficult to tell which enjoyed the dance most—the girls or the boys.

Perhaps the most important social event of the term was the Masquerade, which was a grand success. Many beautiful costumes were worn, and of course the comics were not lacking.

The whole presented a gay scene.

Prizes were awarded and refreshments served as usual.

For the benefit of many of the students who do not attend the dances, and, of course, for the enjoyment of all, an evening of games was provided. All entered into the spirit of it, and in spite of the large number who took part, everything passed off smoothly.

Thanks are due to the Orchestra for the splendid music which they furnished for all the social evenings.

: : MUSICAL : :

AT the beginning of the term, the following were elected as a Musical Committee:

Isabel Sinclair, President; Fred. W. Falkner, Vice-President; Carroll Stewart, Secretary.

Soon after the election a Glee Club was started, with Mrs. Martin, of the town, as conductor. It has met regularly on Thursday afternoon, and has afforded an opportunity to those with musical talent to exercise it, to the pleasure and benefit of all.

Mr. Holeton very efficiently directed the orchestra again this year.

THE A. S. A. MAGAZINE

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THE UNIVERSAL MILKER



MILK YOUR
COWS
WITH A
HINMAN

\$50.00 PER UNIT

The only Milking Machine with the PROGRESSIVE
vacuum and POSITIVE release.

Write us for descriptive booklet "A."

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CORO - NATHOLEUM

The Oldest and Most Reliable Coal Tar Creosote SHEEP DIP

ALSO FOR

CATTLE, SWINE, HORSES, POULTRY and the DAIRY

NOTE.—A straight earload of CORO-NATHOLEUM was used by
SOUTHERN ALBERTA WOOL GROWERS' ASSOCIATION last year.
The prominent sheep men in Western Canada dipped with
CORO-NATHOLEUM.

We carry a complete stock of all lines at Calgary.
Samples and descriptive Catalog on request.

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Gold Medal Awarded at Panama Pacific Exposition, 1915.

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THE A. S. A. MAGAZINE

The orchestra has assisted several times at functions in the town, and even broke into Grand Opera on college night at the "Movies."

The personnel is as follows:—
Violins: Falkner, Stewart; Clarinet: Mr. Holeton; Bass Horn: Mr. Elliott; Piano: Baker.

Owing to the irresistible charms of some of the O.S.A. girls, it was found that some members of the Orchestra were not in evidence on dance nights, so outside help was secured for some of the dances.

As Miss Sinclair left school toward the latter part of the term, a vacancy in the Musical Committee was created. Miss Mae Michener, by the unanimous vote of the students, was elected to take her place.

Those in the town who have kindly assisted in orchestral and choral work, and to whom we wish to express thanks are: Mrs. Martin, Mrs. Hartman, Mr. Henderson, Mr. Martin, Mr. Johnson and Mr. Silverthorn.

Judging at Acme by : : the O.S.A. Students

DURING last fall, the local branch of the U.F.A. at Acme honored the O.S.A. by asking Principal Elliott, with two of his students to assist him, to judge the exhibits at a fair to be held on Dec. 16th.

Miss Lillian Archibald was chosen to judge the girls' work, and Arthur Cornode, that of the boys. Unfortunately, Mr. Elliott was unable to go, and the responsibility fell upon these two students. They journeyed to Crossfield by train on Dec. 16th, and autoed 27 miles a-

cross country to Acme.

The exhibits at the fair, which were from boys and girls under fourteen entirely, consisted of varieties of cooking, calves, hogs, poultry and vegetables, and were all of a high order. Very generous prizes were offered, amounting altogether to over one hundred dollars.

The judging was completed to the satisfaction of all concerned, and the judges returned to Olds the next day, after an enjoyable and instructive trip. The Acme U. F. A. is to be congratulated on the results obtained from this practical method of interesting the boys and girls in Agriculture and Domestic Science, and we wish that success may attend all their attempts to further work of this kind.

Calgary Grain Judging : Competition :

On Dec. 17th, eleven boys of our Sophomore Class took part in a grain judging contest at Calgary, held in connection with the Fat Stock Show and Seed Fair. The boys were given six samples of wheat in which were several varieties of weed seeds. They were required to place these samples in order of merit, to give reasons for their placing, and to identify the various weed seeds. The grain was to be judged as spring wheat, and one of the samples was a fall wheat. This was a fact overlooked by some.

- | | | |
|------------|-------|-----------------|
| 1st prize, | \$15, | Oscar Sundberg. |
| 2nd " | \$10, | Arden Deadrick. |
| 3rd " | \$7, | F. W. Falkner. |
| 4th " | \$5, | H. R. Thornton. |
| 5th " | \$3, | P. H. Menzies. |

T. H. DAVEY

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Canada, Canadian Bank of
Commerce, etc.

**COLLECTIONS A SPECIALTY
MONEY TO LOAN
FIRE AND LIFE INSURANCE**

Phone 33. OLDS, Alberta

: ATHLETIC NOTES :

FOR a few days after school opened, football and baseball were freely indulged in, but the early fall of snow put a stop to this. For the same reason it was impossible to hold a field meet, which was much to be regretted, as later events showed some promising athletes among the large number of students, and there would no doubt have been keen competition among them.

As soon as the weather was suitable, work was started on the rink. Flooding teams for different nights were organized, and everybody was enthusiastic. However, as the place selected was very uneven, the boys, after flooding for a number of nights without making very much impression, became rather discouraged. Very little was done during the holidays, and afterwards, when flooding was recommenced, and a fairly presentable sheet of ice obtained, the cold stormy weather prevented the boys and girls from using the rink until late in the season.

We hope that next year a permanent site for the rink may be secured, and the ground levelled before freeze-up.

The girls, having splendid material for a basket-ball team, asked the Athletic Committee to put up a couple of baskets. Two of our most energetic young men, who happened to be taking a short holiday, could not resist the appeal of the fair ones, and erected two good baskets on the lawn at the back of the school. The girls, however, had only a few practices, owing to the unsuitable weather.

Wrestling mats were made, and a

punching-bag put up in the Assembly Hall, and both of these were much appreciated by the students. Two sets of boxing gloves were also purchased, and the manly art of self-defence has been very much in vogue throughout the season.

Prospects for a good hockey team looked very bright early in the season, as a large number of boys turned out for practice. Owing to the wealth of material, it was with some difficulty that a team was selected to uphold the honor of the school. This was at last accomplished, and the team elected their manager and captain,—G. W. Gorman and M. B. McColl respectively.

A game was played with the Olds town team, in which our boys were defeated by the close score of 3 to 2. This was the only game played before Christmas.

After the holidays the cold was so intense for a time, that it was impossible either to play hockey, or to get any other team to play. However, on Feb. 5th the boys' team journeyed to Claresholm, along with the girls' team, in order to play the C. S. A., and was again defeated by a score of 3 to 2.

On Feb. 8th the O. S. A. second team played the Olds High School, and won by a score of 4 to 0 in a good, clean game.

: GIRLS' HOCKEY :

THE skating enthusiasts among the girls got together early in the year and formed a hockey club, with Miss Tester as manager, and Mr. McColl as coach. The weather was so severe that hockey was almost out of the question, but



Willow Spring Registered Herefords

HERD HEADERS :

Beau Perfection 11th : Drumsticks : Governor Hadley

THESSE are all of the finest type and breeding, and have proven to be among the most prominent sires in Canada.

Our herd consists of over 400 head, all pure-bred and carefully selected.

THE BEST FOR THE WEST

CONSTITUTION AND QUALITY

Our stock is left on the range all the year round and is in first-class condition.

Stock of all ages always for sale.

Some first-class one and two-year-old bulls fit to head any herd, also a number of heifers of the right kind for immediate disposal. Prices right.

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OR WRITE FOR INFORMATION

FRANK COLLICUT, 636 11th Avenue West, Calgary

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∴ LITERARY ∴

we managed to get in a few practices, and soon Mac was having a lovely time missing off sides and picking up the pretty girls—"only"—the other boys say. Casualties soon began to occur, but our girls were game in spite of twisted knees, black eyes, lost teeth and frozen faces.

The team that went to Claresholm was made up as follows:

Miss Curtis, goal, (with a special coach in attendance.)

Miss Shantz, point.

Miss L. Archibald, cover point.

Miss Davis, rover.

Miss McDermid, center.

Miss Cates, left wing.

Miss Tester, right wing.

Miss Michener, spare.

The game (both on the rink and on the train) was fast—fast enough for girls anyway. Claresholm scored during the first few minutes of play, but the teams were so evenly matched that for the remainder of the game no score was made on either side. Two of our girls were hurt, but the game was very clean, and the spectators enjoyed it, if the noise they made could be used to gauge their feelings. Several clever acrobatic stunts were pulled off without notice, much to the huge delight of the crowd.

After the game the Claresholm girls treated us royally, and the girls came home more enthusiastic than ever to get together and win in the return game.

Mr. Marshall (on the way to his farm in the college Ford): "Here's a sign—'Speed limit—20 miles an hour.'"

Alex. Lamont: "Well, Mr. Marshall, I can't get no such speed out of this car, so it's no use trying."

THE Literary Meetings have proved a marked success, and during the 3:30—4:30 period on Friday afternoons many interesting and instructive programs have been rendered. These have consisted of debates, readings, recitations, music, poetry and spelling contests, impromptu speeches, etc.

We were very fortunate in having three quartettes, viz., "The Girls' Quartette," "The Bow-tie Quartette" (Sophs.), and "The New Quartette" (Freshies). There was keen rivalry between these talented vocalists, and they achieved a great success. They were strictly patriotic, each aggregation delivering lyrics of their own composing only. There has been a splendid display of student talent in every line, and the Committee has found no difficulty in getting material together for the various occasions.

The Committee is very grateful to the staff and students for their services given so willingly, and we take this opportunity of thanking them all for the able manner in which they have helped the Committee to make the "Lit." period so successful.

The following are the members of the Literary Committee:—

President - - A. H. Baker.

Vice-President - Miss B. Cates.

Secretary - - W. A. Black.

Will some one please tell us—

If flour really has medicinal properties?

Why Mr. Elliott does not hire "Smilax" to take care of the pump engine?

Ralph J. Cutten

Hardware of Every Description
Paints Oils and Varnishes
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SPECIAL

*22 Short Dominion Smokeless
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20c	-	-	per box
1.85	-	-	" 500
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Thoughts from the Poets (and Others) Applied

She hath no music in her soul. —
Miss Goldie, with rubber heels.

Meet me by moonlight alone. —
Bicknell.

Thou art not for the fashion of
these times. — Miss Brown.

With no reason on earth to go
out of her way,
She turned and she varied full ten
times a day. — Miss M. Johan-
son.

How wretched is the man who
loves! — Manning.

Nature often hath her little joke —
Miss Reist.

She heard them, but she heeded
not,

Her heart was far away (in Mon-
tana). — Miss Spalding.

An empty vessel makes the most
noise. — Miss Whiteside.

Never did mortal eye behold such
heavenly grace. — Sykes.

She's little but she's wise,

She's a terror for her size. — Miss
Davis.

Gifts of Nature, not yet under-
stood. — Miss Cox.

'Tis better to have loved and lost,
Than never to have loved at all. —
Harry Switzer.

Fashioned so slenderly, young,
and so fair. — Miss Skode.

True case in bluffing comes from
wit, not chance. — Theodore Moe.

In youth and beauty wisdom is
but rare. — Miss Herdman.

I am bound to grow fat and look
young until forty. — Miss Moffat.

Her place in the scale of Nature
has not yet been found. — Miss Mars-
den.

Nothing so needs reforming as
other people's habits. — Thornton.

My only books were woman's
looks,
And follies all they taught me. —
McColl.

She regarded man as permanent
car fare. — Miss Hardy.

One of Nature's noblemen. —
"Peanut Head."

The Editor recently received the
following communication:

DEAR SIR, -- Will you kindly pub-
lish complete directions for tying a
bow-tie?

THE BOW-TIE QUARTETTE.

TINY O'GORMAN, Soprano.

CAROLINE STEWART, Contralto.

FRITZY FALKNER, Tenor.

H. R. THORNTON, Basso.

We suspect that this is merely a
scheme to get free advertising.
However, we turned the matter over
to Prof. P. H. Menzies, the noted
authority on hair-cutting, potato-
raising, bacon-hogs, and bow-ties.
Below will be found the Professor's
reply in full:

Well, you hold the tie in your
left hand and your collar in the
other. Slip your neck in the col-
lar, and cross the left-hand end of
the tie over the right with the left
hand, steadying the right end with
the other hand. Then drop both
hands, catching the left with the
right and the other with the other.
Reverse hands, and pick up the
loose ends with the nearest hands.
Pull this end through the loop with
your unengaged hand, and squeeze.
You will find the knot all tied and
all you have to do is to untangle
your hands. — PETE.

THE A. S. A. MAGAZINE

McKercher Brothers

DEALERS IN

Lumber, Implements, Harness

Furniture, House Furnishings

REAL ESTATE

..

LIVE STOCK

**AGENTS
.. FOR ..**

Deering Binders, Mowers,
Rakes and Drills

Gasoline Engines

Threshing and Plowing
Engines

P. & O. Plows
Harrows Wagons

Sharples
Cream Separators

**DEALERS
.. IN ..**

Lumber, Lath, Doors
Windows

Lime and Brick
Hard and Soft Coal

Light and Heavy Harness
Saddles, etc.

Windmills, Pumps
Wheelbarrows
Washing Machines

Furniture Wall Paper
Trunks, etc.

OLDS - - ALBERTA

When answering advertisements kindly mention the A.S.A. Magazine.

THE A. S. A. MAGAZINE

Scientific Terms Exemplified

CHLOROPHYLL (green matter). The Freshies.

WATER (seeking the easiest way out of things). Stewart

VACUUM (an absolute void). Menzies.

ROCK (with a great deal of labor a few things may be made to penetrate it). Bicknell.

BINARY COMPOUND (containing two elements, hot air and love). Gorman.

TERNARY COMPOUND (containing three elements, hot air, nerve and love) Manning.

HEAT OR HOT AIR (a form of energy). That possessed by the Freshies.

WORK (another form of energy). That displayed by the Sophs? ? ?

DEFLOCCULATION (a breaking down). The Girls' Quartette.

PRECIPITATE (something that is left). Falkner's suitcase at Christmas.

PHENOMENON (used ordinarily—something strange and unaccountable). That the Bow-tie Quartette think themselves a classy bunch.

PHENOMENON (used scientifically—a recognized fact). That the other quartettes don't think so.

FUEL (something that is burnt). The girls' cooking.

PROTOPLASM (thick, slimy liquid). The coffee provided by the Social Committee.

WEEDS (troublesome things that cause work, worry and waste). The O.S.A. girls.

WINDMILL (consisting mostly of arms and legs). Sykes.

DECOMPOSED (rotten). Thornton's poetry.

TO ALBERTA

I have left my dear old Michigan,
Both far and wide to roam;
I thought to seek a better place
For father, mother, home.

I have crossed the broad blue waters,
Passed o'er the broader lands,
Seeking what men desire, - a place
To work contented hands.

I thought to stop in many a place
With rich lands under plow;
But something always urged me on,
I could not stay, somehow.

So I wandered blindly onward,
Wondering what there was in store,
Till at last the Fates had left me
Stranded on Alberta's shore.

But now has come a change within,
And as the days go past,
There is left the firm conviction,
I have found my land at last.

H. W. K.

O. S. A. VALENCIES

The number of atoms of the opposite sex with which the following elements affinitize:

ALWAYS FOUND ALONE. Marsden.
MONOVALENT (attracting one). Manning, Baker, Jacobson, Lindsay, Menzies, Lloyd, Lee.

BIVALENT (attracting two). Kirkland, Myrtle Johanson, Anna Klingsell.

TRIVALENT (taking three). Marion Ide, Ethel Curtis, Evelyn Herdman

TETRAVALENT (taking four). Stewart, Gorman.

NOTE:--Nellie Hardy has been known to attract as many as seven, while Mack McColl takes all there are in sight, and then is not satisfied.

THE A. S. A. MAGAZINE

- Olds Kandy Kitchen -

Tea Room and Ice Cream Parlor

ALBERTA BLOCK

IS THE PLACE TO GET A LIGHT LUNCH

Ice Cream and Home-Made Candy

FRESH DAILY

FRESH FRUIT, ETC., IN SEASON

H. E. Branscombe

**BARBER
- SHOP -**

Next Door to Victoria Hotel

**"Come and get a college cut
—but do not bring your own
barber."**

Chocolates and Soft Drinks.

A. M. BUSH

Jeweler

OLDS, ALBERTA

Watch Repairing

Issuer of Marriage Licenses

When answering advertisements kindly mention the A.S.A. Magazine.

THE PICTURE SHOW

He met her on the street one day,
This student of the O.S.A.
"My dear," said he, "will you not go
With me this eve to the picture show?"
She smiled a winsome smile, then cooed,
"For picture shows I'm in the mood.
To-night I'll gladly with you go,
E'en though 'tis but a picture show.
Call round up home at five to eight."
As sure as guns he'd met his fate.
Then back he went to his small room,
And soused on quarts of cheap perfume;
He shaved his cheek, though naught was
there
That e'en suggested blades of hair;
He brushed his teeth, he shined his shoes:
"Ah! I'm some dandy," thus he mused.
He hustled to her home on time,
And found her decked in feathers fine.
Her cheek was covered up in dust,
Or talcum powder, to be just;
Her hair—at least she said 'twas hers—
Was snugly nestling 'mongst her furs;
Her jewelry was of paste and glass,
Her ear-rings were of polished brass.
They hurried lest they should be late,
He took her to the college gate.
"A funny place," she thought, I know,
"To hold a moving picture show."
He reassured her with these words,
"My queen of queen's, my bird of birds,
Wilt trust in me, 'twill be all right,
There's something special on to-night."
No money at the door he paid,
No tickets bought from bold-eyed maid.
He took her up four flights of stairs,
With trouble found two empty chairs.
They gazed upon a canvas screen,
And saw a truly novel scene:
A maid was dressed in chicken's clothes,
With chicken feet and chicken nose.
She gazed again and yet again,
Was it a maid? was it a hen?
At last on her the truth dawned clear,
It was no posing Chanticleer.
She grabbed her coat, she grabbed her
hat,
She left the student where he sat,
She ran a half a mile or more,
Until she reached her father's door,
She cried until she burst her sides.
At what? At Foley's poultry slides.

H. R. T.

O.S.A. POET LAUREATE

- THE BUG SONG -

In these days of indigestion
It is oftentimes a question
As to what to eat and what to leave alone,
For each microbe and baccillus
Has a different way to kill us,
And in time they always claim us for
their own.
There are germs of every kind
In any food that you can find
In the market or upon the bill of fare.
Drinking water's just as risky
As the so-called deadly whiskey,
And its really a mistake to breathe the
air.

Some little bug is going to find you
some day,
Some little bug will creep behind you
some day,
Then he'll send for his bug friends,
And all your earthly trouble ends.
Some little bug is going to find you
some day.

The inviting green cucumber
Gets 'most everybody's number,
While the green corn has a system of its
own.
Though a radish seems nutritious,
Its behaviour is quite vicious,
And a doctor will be coming to your
home.
Eating lobster, cooked or plain,
Is only flirting with ptomaine,
And oysters, too, will get you just the
same.
Chew a cheesey midnight "rabbit,"
And a grave you'll soon inhabit.
Oh! to eat at all is such a foolish game.

CHORUS.

AT THE KANDY KITCHEN

Kirk: "What's on the menu to-night?"
Waitress: "Bechamel, shirred eggs au
miroir Renversee, Russulae a la Borde-
laise, ham sandwiches, coffee."
Kirk: "Oh, just give me some real
dainty bread and butter."
And he got it!

For rent by the afternoon, Hall's front
parlor. For particulars, apply George
Gorman.

*How about that Camera that you promised yourself?
We have the*

Brownies from \$2.00 to \$10.00

Kodaks from \$7.00 to \$22.50

A COMPLETE LINE OF SUPPLIES ALWAYS IN STOCK
COME IN AND LET US SHOW YOU OUR LINE

Have You a Sweet Tooth? We Can Satisfy You.

Moir's Chocolates', 60c per lb.

St. Clair Chocolates, 40c per lb.

Cocoanut Kisses - 40c "

Wintergreen Berries, 40c "

Italian Mixture - 40c "

Chocolates and Creams, 25c "

AND THE FAMOUS

Riley's Toffee at 40c per lb.

A Cure for every ill. We are sole Agents for the famous

"REXALL REMEDIES"

and they are absolutely guaranteed to give satisfaction
or we refund your money.

SMOKERS' SUPPLIES

"Donna Forget" that we carry a complete line of Tobaccos, Cigars,
Cigarettes, Pipes, Tobacco Pouches, etc.

GIVE US A CALL

Nyal
Quality Store

REXALL STORE

WE ISSUE DOMINION EXPRESS MONEY ORDERS

THE OLDS DRUG CO., Limited

Phones 26 & 72 - OLDS, ALTA.

When answering advertisements kindly mention the A.S.A. Magazine.

- Much Ado About Nothing -

Freshette: "Well, I guess I'm fined two bits for being late. Never mind, that fifteen minutes beauty sleep is worth a quarter."

Sophomore: "I'd go back to bed again, if I were you."

* * *

Practical results, in 1926, of Miss Goldie's marketing lessons:

Anna: "I want to buy a pair of trousers for my husband."

Clerk: "What size does he wear?"

Anna: "I really don't know, but I think he wears a 17½ collar."

* * *

Scheer: "Do you think I could do anything with my voice?"

Mrs. Martin: "It might come in handy in case of fire."

* * *

Wiancko: "Something has been trembling on my lips for months and months."

She: "Yes, so I see. Why don't you shave it off?"

* * *

Freshman: "Steele, you ought to get a piece sewed on those pants, they're too short."

Steel: "Short nothing! I got into them too far, that's all."

* * *

Lives of great men all remind us
We should choose our wives with
care.

Else departing leave behind us
Our small crop of natural hair!

(Take Notice. — Steele, Weber,
Thornton, Addison.)

Mr. Foley: "Good morning, everybody! Now, what were we talking about the last period?"

Class (with one accord): "Chickens!"

* * *

Miss Davis (dictating cooking notes): "If you get an over-measurement of milk, just drink it down to the correct amount — such things have happened."

* * *

Distinguished guest at an O.S.A. dinner: "What's the idea of passing around these wet plates?"

Miss Goldie: "Pardon me, that's your soup."

* * *

Baker (to station agent at Olds): "Can I catch the 5:19 train for Calgary?"

S.A.A.O.: "Depends how fast you can run. It's got nearly three minutes start."

* * *

Overheard at the O.S.A. — Soph.: "What's the difference between the boys at the front and Mabel and Joe at the O.S.A.?"

Freshie: "Give it up."

Soph.: "Well, you see, the boys at the front face the powder——"

(Editor's note. — Our reporter was unable to catch the rest of the conversation).

* * *

Who is "the shining light, with that far-away expression between the knees?"

Holstein & Dairy Shorthorn Cattle

Berkshire Hogs & Suffolk Sheep

OUR Holstein herd of nearly one hundred head has been carefully selected and bred for size and high production. It contains the three greatest milk-producing cows in Western Canada, and averages unusually high all through. The bull we are now using—Duke Wayne Mechthilde 2nd, 15746—is a son of the champion heifer of Canada in the two-year-old class. Bulls and bull calves by this sire and by the noted bull, Prince Hengerveld of the Pontiacs, 7332, from such great producing cows as Julip Hengerveld with a record of 18,083 pounds of milk in one year; Princess Vida Pietertje, with a record of over 16,000 pounds as a two year-old, and De Winton Princess, an Alberta-bred cow of over 19,000 pounds; as well as bulls from cows of equally as good breeding and productive ability, are available for purchase at from \$40.00 to \$200.00 each.

Our dairy Shorthorn herd is made up of a well-selected lot of deep milking cows, some of which are milking around 11,000 pounds per year, and is headed by an exceptionally well-bred bull. A few young bulls are occasionally available for purchase.

Our Berkshires are of the well-known, large English type. At present there are for sale some good sows about eight months old, bred to our own herd boars, at \$35.00 each. Later in the year we shall have the litters of next spring to dispose of, and can then supply young boars and sows, not related, in pairs and trios at reasonable prices.

Our Suffolks are as yet a small flock, and no stock will be for sale earlier than the fall of this year. A number of good ram lambs should then be available for purchase.

Anyone desiring fuller information regarding the above stock may have the same on request. Prices are reasonable and within the reach of anyone needing first-class breeding animals.

Canadian Pacific Railway Supply Farm
STRATHMORE, ALBERTA

When answering advertisements kindly mention the A.S.A. Magazine.

TOWN — OF — OLDS

The Hub of the Best Mixed Farming District in the Province of Alberta

Here is the Record of SHIPMENTS of FARM PRODUCE, CATTLE, HORSES and HOGS for the Years 1914 and 1915:

	1914	1915
Baled Hay...	1182 cars—13,054 tons	1100 cars—12,092 tons
Oats	20,665 bushels	100,681 bushels
Wheat.....	7296 „	8680 „
Rye.....	2071 „	5596 „
Barley.....	4192 „	19,048 „
Cattle	6899 head	10,697 head
Horses.....	352 „	463 „
Hogs.....	5605	3668
Eggs /		
Butter (.....	156,460 lbs.	270,000 lbs.
Milk	22,711 cans	22,195 cans
	(approx. 204,399 gals.)	(approx. 199,755 gals.)
Cheese		45,600 lbs. (Factory in operation 6 months)

Although grain is not the staple product of the District, the above statement will give some idea of what can be done along this line of agriculture.

In the year 1914—a year of drouth in the south part of the Province—the shipment of hay alone exceeded that of 1913 by about 2000 tons.

The Cheese Factory, established in June, 1915, is proving a success and is increasing its output every month.

The Olds School of Agriculture and Government Demonstration Farm are attractive features of the District.

BREAK YOUR JOURNEY AT OLDS — It may Pay You to Investigate

For further particulars apply to

J. W. JOHNSON, Sec'y-Treas.

When answering advertisements kindly mention the A.S.A. Magazine.

NOTICE!

To All Our Readers

Look through our Advertising pages carefully. It will pay you!

Students!

Support those who support your Magazine, and don't forget to mention the Magazine when answering advertisements.

F. Shackleton

**Notary Public
Conveyancer**

**Insurance :
Fire, Life and Accident**

Money to Loan on Farm Property

Agent for C. & E. Townsite
Co. and C. & E. Farm Lands

Olds, Alberta

LUMBER

Grades that will suit you always on hand in any line you require. We specialize in builders' paper. We have always in stock a good line of doors, windows, wood fiber plaster, cement, lime and chimney brick. Our stocks of lumber are always selected from the best mills, and our shingles are the best Coast stock that can be bought. Estimates of cost figured for you on any size of building you are going to erect. Improve your farms and homes by good buildings, thereby showing your faith in this, the most prosperous district of Alberta.

R. A. CRAIG

Office Phone No. 44

OLDS

Res. Phone No. 84

When answering advertisements kindly mention the A.S.A. Magazine.

AN L-E-G

Now ON loved sweet MLE,
And quite B9 was Fate,
B4 he did with NRG
SA 2 AV8.

He flew with EZ XTC,
Nor NE did XL.
A B caused him 1 day, ah, me!
2 DV8. He fell!

They gave 2 ON ODV
And XS OP8.
His brow grew IC, 4, U C,
Y then it was 2 late.

"O, ON," MLE did say,
"No more an NTT,
I NV even grim DK,
Your MT FEG."

LOUIS B. CAPRON
Saturday Evening Post.

Hughes Bros.

Olds, Alta. Phone 70

WE BUY AND SELL

GOOD QUALITY

**MEATS, PRODUCE AND
PROVISIONS**

Ship us your poultry, hides,
furs, etc., at any time and we
will return you cash or goods
at very best prices.

J. H. Johnson

- - GENTS' - -
FURNISHINGS

**Everything for Boys
and Men**

OLDS - ALTA.

Dr. H. P. Kenney

Dentist

Over Post Office
OLDS, ALBERTA

Office Hours : 9 to 5

THE A. S. A. MAGAZINE



*We make Halftones, Zinc
Etchings, Cuts & Printing
Plates from Photos & Drawings
for Booklets, Prospect Maps,
Catalogues, etc. etc. etc.
Also Newspapers etc.*

*ARTIST
COMPOSITION PHOTOGRAPHY*

- A BUSY WEEK -

The year had gloomily begun
For Carroll Stewart, farmer's SUN.
He was beset with bill and dun,
And he had very little MON.
"This cash," said he, "wont pay my
dues;
I've nothing here but ones and TUES."
A bright thought struck him, and he said,
"The rich Miss Goldrox I will WED."
But when he paid his court to her,
She lisped, but firmly said, "No THUR."
"Alas!" said he, "then I must die,
Sooner than bust, I'll go and FRI."
They found his black bow-tie and hat,
The coroner upon them SAT.

When does a man's temperature
go down as low as it can go?

When he has cold feet on being
called on for an impromptu speech
at "Lit."

o o o

Mr. McNally: "How do you find
the number of bushels a grain bin
will hold?"

Steele: "Why, you fill the bin
full, and then measure out the
grain."

o o o

Mr. Taggart (to Fritz coming in
late to the chemistry lecture on
Saturday morning): "We are deal-
ing with chloroform, Mr. Falkner."

Fritz (sleepily): "I don't need
any this morning, thank you."

o o o

A copy of the following myster-
ious telegram has found its way in-
to our hands:

Olds, March 30, 1916.

Dear Father:—Fire the cook—
bringing one with me. FRITZ.

- THE STAFF -

These names, if rightly you will
spell, will tell you what they love
so well:

Go L die
Hol E ton
D A vis
Pea R son
Lo N gman
Ell I ott
Mc N ally
Ta G gart

"The Sophomore class consists of
thirty students, embracing four
girls." (With apologies to Dr. Wes-
brook).

o o o

Gorman: "Are my clothes ready?"

Lizzie: "Not yet."

Gorman: "But you said you
would have them done, if you
worked all night."

Lizzie: "Yes, but I didn't work
all night."

o o o

Rachel: "Why does Thornton
write so much poetry?"

Marion: "Suckers and sentiment-
al maidens are both caught with
lines."

o o o

The world is old, yet likes to laugh,
New jokes are hard to find.

A whole new editorial staff
Can't tickle every mind.

So if you meet some ancient joke

Bedecked in modern guise,
Don't frown and call the thing a fake,
Just laugh—don't be too wise.

The Grain Commission Merchant

WE find among farmers, and even among grain men, considerable misunderstanding as to the functions of the commission merchant in the marketing of the farmer's grain.

The commission firm in soliciting the farmer to consign his grain to them to be sold, offer themselves as agents for that purpose and not as buyers of grain for their own account.

Commission men or firms in order to be of real service, require to have special up-to-date knowledge, with experience and facilities, all of which they undertake to use for the benefit of those employing them, and must also have adequate financial capital to give them a standing of responsibility in the trade.

When a farmer employs the commission firm to receive and sell his cars of grain, he engages them, as his agents, to use their knowledge and facilities in all that pertains to the looking after of his cars, such as checking the inspection, securing dispatch in transportation, the weighing at terminals, claims for overcharges, and damages by railways, etc., besides advice and information about markets and selling. **The strictly commission firm such as ourselves, do not buy any grain for farmers, but handle and sell it solely for account of the farmer,** and thus it will easily be understood, that, besides it being our duty, it makes it our ambition, to do the very best possible for the interest and advantage of those who employ us.

Farmers, ship your cars to Fort William or Port Arthur, writing on your shipping bills, "**Notify Thompson Sons & Co., Winnipeg,**" in order that we may check the inspection, and obtain outturns promptly.

Write to us whenever information is wanted about markets or shipping. **We make liberal advances at 7 per cent. interest** on receipt of shipping bills, or draft may be made on us through any bank for a reasonable advance.

Thompson Sons & Company

GRAIN COMMISSION MERCHANTS

700-703 GRAIN EXCHANGE

WINNIPEG, MAN.

When answering advertisements kindly mention the A.S.A. Magazine.

THE A S A MAGAZINE

MASTER MECHANIC

UNION MADE

OVERALLS

*Cut Full
and Roomy*

MADE IN WINNIPEG BY
**WESTERN KING MANUFACTURING
COMPANY LIMITED**

WHEN YOU THINK OF
FARM MACHINERY

YOU NATURALLY THINK OF
“MASSEY-HARRIS”

BECAUSE FOR YEARS

Massey-Harris Canadian-Made Implements have been “Leaders”
in their line

Our New No. 11 Drill with Re-inforced Steel Grain Box of extra large
size, marks the biggest advance in Drill Construction in many years.

THE A. S. A. MAGAZINE

McLEAN'S CASH STORE

THE LEADING STORE OF OLDS

**WE CARRY LARGE STOCKS IN THE
:- FOLLOWING DEPARTMENTS :-**

DRY GOODS : GROCERIES : MEN'S WEAR
LADIES' READY-TO-WEAR
BOOTS AND SHOES : HOUSE FURNISHINGS
HARDWARE : FLOUR AND FEED

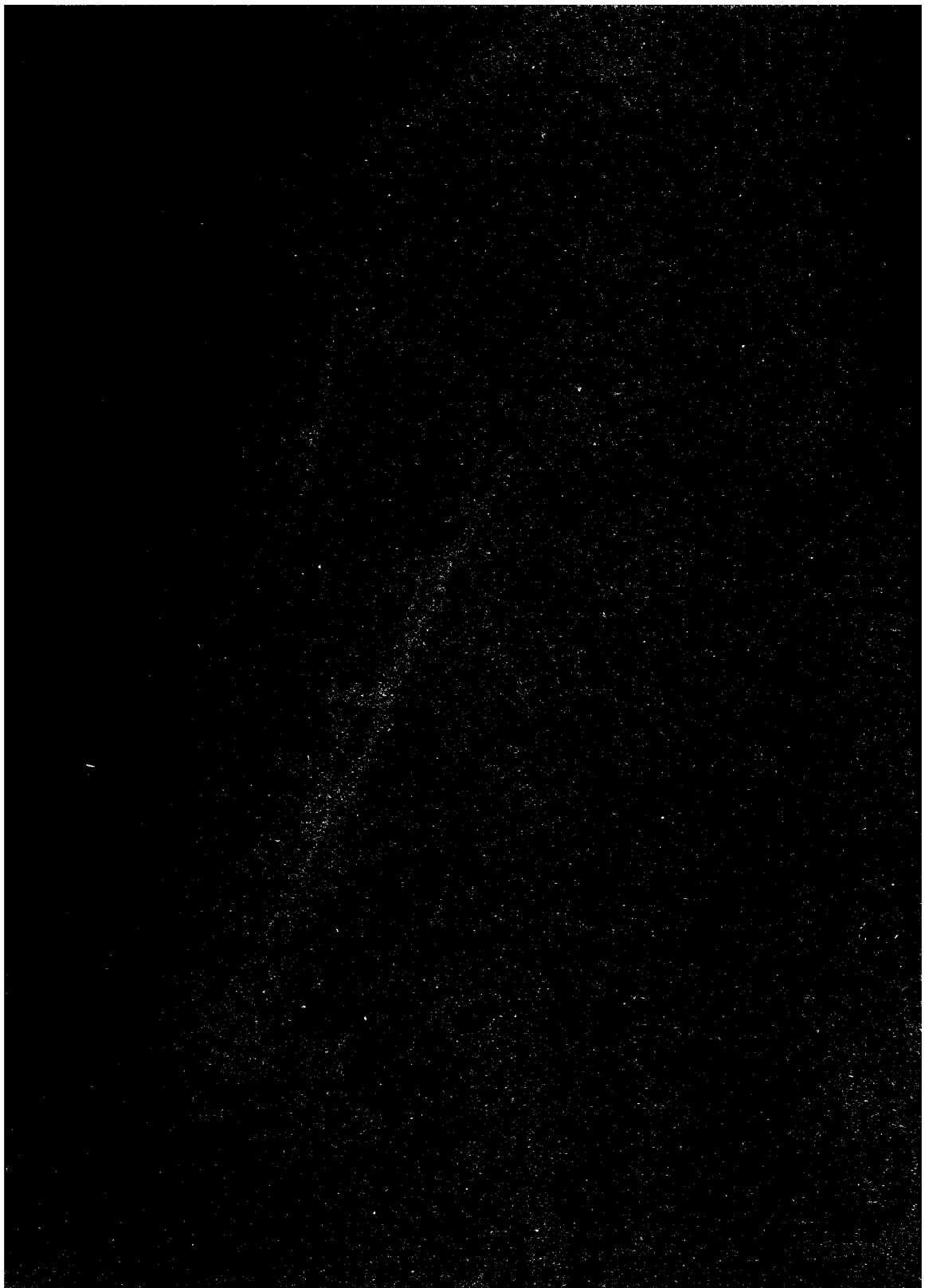
OUR STUDY IS
QUALITY : PRICES : SERVICE

OUR OBJECT IS
LARGER TURNOVER & LOWER PRICES

WE BUY FOR CASH AND SELL FOR CASH
ENSURING THE LOWEST PRICES

THE MORAL IS:
Deal at McLEAN'S, Olds, Alta.

When answering advertisements kindly mention the A.S.A. Magazine.





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